रजिस्ट्री सं. डी एल—33001/97 REGISTERED No. D.L—33001/97

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 2] नई दिल्ली, शनिवार, जनवरी 11, 1997 (पौष 21, 1918)

No. 2] NEW DELHI, SATURDAY, JANUARY 11, 1997 (PAUSA 21, 1918)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

[**Separate** paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART **III** —SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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THE PATENT OFFICE

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CALCUTTA, 11th January 1997

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Telegraphic address "PATENTS"

All applications, notices, statements or other documents or any fees required by the Patents Act. 1970 or the Patents Rules 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 11 जनवरी 1997

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (प.),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता - "पेटोफिस"

पेटेंट कार्यालय शाखा,
एनेक्स नं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600 002.

आन्ध्र प्रदेश, कर्नाटक, केरल तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिकाय
तथा एमिनिदिवि द्वीप ।

तार पता - "पेटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

The 6th December 1996

SPECIAL NOTICE

No. 147/21/Exam/96/Pol.—The qualifying examination as prescribed under clause (c)(ii) of sub-section (l) of Section 126 of the Patents Act, 1970 read with Rule 95 of the Patent Rules, 1972 will be held at the Patent Office, Calcutta and its branch offices at Mumbai, Chennai and New Delhi on the 27th January 1997 and the 28th January 1997,

The Schedule of the qualifying examination (written) will be held as follows :

27th January, 1997.
Paper-I: Patents Act & Rules
(10.30 a.m. to 1.00 p.m.)

Paper-II: Drafting and interpretation of Patent Specification and other documents.
(2.30 p.m. to 5.00 p.m.).

The viva-voce examination will, be hold on the 28th of January, 1997 at 11.00 a.m.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4. ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent bracket are the dated claimed under section I35| of the patent Act, 1970.

23-09-1996

1672/Cal/96. Omnipoint Corporation. "Communication system and method". (Convention No. 08/532. 466 on 22-09-95 & 08/610, 193 on 04-03-96 in U.S.).

1673/Cal 196. Johnson & Johnson Inc., "Liquid absorbent article and method and apparatus for manufacturing the absorbent article". ("Convention No. 08/545052 on 12th October 1995 in U.S.A.).

1674/Cal/96. Hollandse Signaalapparaten B.V.. "Fragmentable projectile, weapon system and method". (Convention No. 1001556 on 02-11-95 in Netherlands.).

1675/Cal/96. Siemens Aktiengesellschaft, "Contact assembly for a distributor in a telecommunications system. (Convention No. 19535774.4 & 19535773.6 on 26-09-95 in Germany).

1676/Cal/96. Siemens Aktiengesellschaft, "Method and apparatus for ultrasound testing of disc bodies which are shrunk onto shafts and have an unknown contrur. (Convention No. 19536447.3 on 29-09-95 in Germany).

I677/Cal/96. Siemens Aktiengesellschaft, "Sealing element for sealing a gap and gas turbine plant". (Convention No. 19536535.6 on 29-09-95 in Germany),

1678/Cal/96. Emitec Gesellschaft Fur Emissions technologic MBH., "Electrically heatable honeycomb body which is subdivided into portions, with connecting lines". (Convention No. 19536853.3 on 02-10-1995 in Germany).

1679/Cal/96. Krone Aktiengesellschaft, "Automatic Re-Arrangement and distribution device for telecommunication and data lines, (Convention No. 19537533.5 on 29-09-95 in Germany).

1680/Cal/96. Windmoller & Holscher, "Device for the removal of slips from a continuously transported slip web". (Convention No. 19540148.4 on 27-10-95 in Germany).

1681/Cal/96. Siemens Aktiengesellschaft, "Distributor for connecting optical conductors". (Convention No. 19537290.5 on 6th October 1995 in Germany).

1682/Cal/96. Siemens Aktiengesellschaft, "SMD COIL" (Convention No, 19536473,2 on 29-09-95 in Germany).

1683/Cal/96. Chisaki Co., Ltd., "Vertical type calcination kiln".

1684/Cal/96. Walter AG, "Method and apparatus for producing undercut grooves". (Convention No. 196 11 276.l on 22nd March, 1996 in Germany).

1685/Cal/96. Intercontinental Quimica, S.A., (Interquisa), "Industrial process tor manufacture aromatic carboxylic acids", (Convention No. 9501832 on 21-09-95 in Spain).

24-09-1990

l686/Cal/96. Philips Electronics N.V., "Capped electric lamp and lighting system comprising a reflector and an associated capped electric lamp".

1687/Cal/96. Pranab Kumar Mondal, "An improved antipollution device for factories. Installations and plants".

1688/Cal/96. (1) Hermetik Hydraulik AB, (2) Stahlwearke Bremen GMBH, "Method of cold descaling". (Convention No. 19535788.4 on 26-09-95 & 19540602,8 on 31-10-95 in Germany).

1689/Cal/96. Siemens Aktiengesellschaft, "Receiver architecture for receiving variable-frequency phase-angle-modulated/keyed earner signals". (Convention No. 19536526.7 on 29-09-95 in Germany).

1690/Cal/96. Siemens Aktiensesellschaft, "Receiver architecture for receiving phase-angle modulated/keyed carrier signals". (Convention No. 19536527,5 on 29-09-95 in Germany).

l691/Cal/96. Siemens Aktiengesellschaft, "Fuel nozzle arrangement for a fluid-fuel burner, use of the fuel nozzle arrangement and method for regulating the fuel supply of the fluid-fuel burner". (Convention No. 19536534.8 on 29-09-95 in Germany).

1692/Cal/96. Siemens Aktiengesellschaft, "Steam-Turbine Plant". (Convention No. 19537478.9 on 09-10-95 in Germany).

1693/Cal/96. Widwest Research Institute, "Semiconductor Nanoparticle colloids and process for the preparation thereof". (Convention No. 08/535, 981 on 29-09-95 in U.S.A.).

1694/Cal/96. Widwest Research Institute, "Preparation of a semiconductor thin filim". (Convention No. OR/536, 348 on 29-09-95 in U.S.A.).

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25-09-1996

1696/Cal/96, Otsuka Pharmaceutical Co. Ltd., "An agent for curing ophthalmological diseases". (Convention No. 07-263896 on 12-10-95 & 08-057337 on 14-03-96 in Japan).

1697/Cal/96. Siemens Aktiengesellschaft, "Method and system for radio transmission of digital signals". (Convention No. 19537371,5 on 6-10-95 in Germany).

1698/Cal/96. Siemens Aktiengesellschaft. "Method of and device for improving the starting behaviour of an oil diffusion burner". (Convention No. 19536210-1 on 28-09-95 in Germany).

16y9/Cal/96, Thermal Components. "Tubular section for a water box for a cooling arrangement, or for a collection tube for a heat exchanger as well as method and arrangement for its production". (Convention No. 19535784.1 on 26-09-95; 19535786.8 on 26-09-95 ; 19605094.4 on 12-02-96 ; 19605108.8 on 12-02-96 in Germany).

1700/Cal/96. Mitsuba Electric MFG. Co., Ltd., "Ignition system for internal combusion engines'". (Convention No. 7-254203 on 29-09-95 in Japan).

26-09-1996

1701/Cal/96. Daewoo Electronics Co. Ltd., "VCR having a reel sensor prism device". (Convention No. 95-33435 on 30-09-95 in Korea).

1702/Cal/96. Daewoo Electronics Co. Ltd., "VCR having a reel Brake Device". (Convention No, 95-26991 on 29-09-95 in Korea).

1703/Cal/96. Daewoo Electronics Co. Ltd.. "VCR having a capstan Brake device". (Convention No. 95-33454 on 30-9-95 in Korea).

1704/Cal/96. LG Electronics Inc., "New load intensive-cooling apparatus for refrigerator". (Convention No. 35387/1995 on 13-10-1995 in Republic of Korea).

1705/Cal/96. W.L. Gore & Associates GMBH., "Ribbon cable with shielded connection". (Convention. No. 19544357.8 on 28-11-1995 in Germany).

1706/Cal/96. General Electric Company. "Lock for nozzle control in the event of hydraulic failure". (Convention No. 08/578, 808 on 26-12-95 in U.S.A.).

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1708/Cal/96. Emitec Gesellschaft Fur Emission technologic MBH, "Process and device for manufacturing a honeycomb body from heat treated two-layered or multi-layered metal foils". (Convention No. 19536752.9 on 02-10-95 in Germany).

27-09-1996

1709/Cal/96. Daewoo Electronics Co., Ltd., "Planarization of a patterned structure on a substrate using ion implantation-assisted wet chemical etch". (Convention No, 95-33524 on 30-09-1995 in South Korea).

1710/Cal/96. Daewoo Electronics Co., Ltd., "Method for manufacturing a thin film actuated mirror having a flat light reflecting surface". (Convention No. 96-08471 on 27-03-96 & 96-17800 on 23-05-96; 96-17803 on 23-05-96 in South Korea).

l711/Cal./96. Daewoo Electronics Co., Ltd., "Method for patterning a metal layer". (Convention No. 95-33526 on 30-9-95 in South Korea).

1712/Cal/96. Daewoo Electronics Co., Ltd., "Method for planarizing a non planar layer . (Convention, No. 9533522 on 30-9-95 in South Korea).

1713/Cal/96. Daewoo Electronics Co., Ltd., "Method and apparatus for encoding a contour image of an object in a video signal ".

1714/Cal/96. Daewoo Electronics Co, Ltd., VCR having a reel gear brake device". (Convention No. 95-33453 on 30-9-95 in Korea).

1715/Cal/96. Daewoo Electronics Co, Ltd., "Device for delecting cut of a tape", (Convention No. 95-32828 on 29-09-05 in Korea).

1716/Cal/96. Daewoo Electronics Co. Ltd. " Optical pickup Actuator". (Convention No. 95-32810 on 29-09-95 in Korea).

1717/Cal,/9G, Bell & Howell Postal Systems Inc., "In-feed Magazine apparatus and method for loading documents". (Convention No. 08/604, 504 on 21-02-96 in U.S.A.).

1718/Cal/96. Hoechsl Celanese Corporation. "Process to prepare 1-Aryl-2-(1-Imidazolyl) Alkyl Ethers and Thioethers". (Convention No. 08/537, 560 on 02-10-1995 in USA).

1719/Cal/96. Saint-Gobain Vitrate. "Covering for tools in contact, with hot glass". (Convention No. FR95/ 11711 on 5-10-95 in France).

1720/Cal/96. Siemens Aktiengesellschaft. "Method and device for converting a pollutant in an exhaust gas in a catalytic convertor". (Convention No. 19536570.4 on 29-9-95 in Germany).

1721/Cal/96. Siemens Aktiengesellschaft, "Method and apparatus for metering the introduction of a reducing agent into the exhaust-gas or exhaust air steam of a combustion installation", (Convention No. 19536571.2 on 29-09-05 in Germany.

1722/Cal/96. Rieier Automatic GMBH, "Device for detect ting the emptying of a container used to produce plastics". (Convention No. 19536983,1 on 4-10-95 in Germany).

1723/Cal/96. Electronic Research and Development Centre of India, "Withering controller for tea industry".

1724/Ca1/96. Noise Cancellation Technologies, Inc, "Piezo speaker for improved passenger cabin audio system".

1725/Cal/96. Daewoo Electronics Co. Ltd., "Disk clamping device". (Convention No. 95-27008 on 29-09-1995 in Korea).

APPLICATION FOR THE PATENT FILED AT PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING IIIRD FLOOR, KAROI BAGH, NEW DELHI-5

12-02-1996

273/Del/96. The Procter & Gamble Company. U.S.A. "Detergent compositions comprising nonionic polysaccharide ethers and lipase." (Convention date 15th February, 1995) U.K.

274/Del/96. The Procter & Gamble Company, U.S.A. "Deter gent composition comprising an amylase enzyme and a nonionic polysaccharide ether " (Convention date 15th February, 1995) U.K.

275/Del/96. The Procter & Gamble Company, U.S.A. "Crystalline hydroxy waxes as oil in water stabilizers for skin cleansing liquid composition." (Convention date 15th February, 1995 and 15th September, 1995) U.S A.

276/Del/96. Discovision Associates, U.S.A."Method and apparatus tor controlling basic levels." (Convention date 7th April, 1995) U.S.A.

277/ Del/96. Discovision Associates. "U.S.A Interferometer having a micromirror." (Convention dale 7th April, 1995) U.S.A.

278/Del/96. Discovision Associates, U.S.A. "Disc adapter use in multistandard drive mechanism." (Convention date 7th April, 1995) U.S.A.

279/Del/96. Discovision Associates, U.S.A. "Improved flexible strip cable." (Convention date 7th April, 1995) U.S.A.

280/Del/96. Martin Marietta Corporation, U.S.A. "Continuous variable hydrostatic transmission having swash-plate-mounted cylinder blocks"' (Convention date 31st March, 1995) USA.

281/Del/96. Sony Corporation, Japan. "Liquid crystal display device." (Convention date 28th February, 1995) Japan.

282/Del/96. Motorola, Inc., U.S.A. 'Method for changing a production setup." (Convention date 15th February, 1995) U.S.A.

283/Del/96. Warner- Lambert Company, U.S.A. "Multi-directional dynamic shaving system." (Convention date 10th April, 1995) U.S.A.

284/Del/96 Warner-Lambert Company, U.S.A. "Suspended blade shaving system." (Convention date 10th April, 1995) U.S.A.

285/Del/96. Praxair Technology, Inc., U.S.A. "Oxygen lancing for production of cement clinker." (Convention date 13th February, 1995) U.S A.

13-02-1996

286/Del/96. Martin Marietta Corporation, U.S.A. "Portioning apparatus and method utilizing PWM control of a double acting hydraulic cylinder" (Convention date 17th April, 1995) USA

287/Del/96. Martin Marietta Corporation, U.S.A. " Continuously variable hydrostatic transmission." (Convention date 7th April. 1995) U.S.A.

288/Del/96. Avery Dennison Corporation, U.S.A. "Acrylic emulsion coatings for rubber articles." (Convention date 14th February, 1995, 14th February, 1995, 7th June, 1995, 7th June, 1995 and 7th June, 1995) U.S.A.

289/Del/96. Royal Ordnance Plc., England. "Thrust chambers." (Convention date 16th February, 1995) U.K.

290/ Del/96- Piaggio Veicoli Europei S.P.A., Italy, "Fuel metering arrangement in pneumatically assisted direct fuel injection devices." (Convention date 12th December. 1995) Italy.

291/Del/96. Sony Corporation, Japan "Apparatus and method of decoding data," (Convention date 17th February, 1995) Japan.

292/Del/96. Sony Corporation. Japan. "Optical pickup device." (Convention dale 15th February, 1995) Japan.

293/Del/96. Sony Corporation, Japan. "Disk cartridge with shutter and stock roll therefor " (Convention date 14th February, 1995) Japan.

294/Del/96. National Institute of Immunology, New Delhi. "Method and composition tor treating graft-vs-Host/graft disease and a process for preparing (he composition.

14-02-1996

295/Del/96. The Procter & Gamble Company, U.S.A. Compound sanitary napkin." (Convention date 24th February, 1995) U.S.A.

296/Del/96 AEC (India) Limited, New Delhi. "A Bandage."

297/Del/96. Franck Savard, France. "Method for selecting gears for a cycle with adequate chain alignment and associated selection device." (Convention date 15th February, 1995) France.

298/Del/96. Buyer Aktiengesellschaft, Germany. "Polysiloxane compositions hich cross-link, by condensation, a process for their production and their use, as well as surface modified fillers and their use." (Convention dale 3rd March, 1995) Germany.

299/Del/96. Rohm and Haas Company, U.S.A. "Microemulsion compositions of 3-isothiazolone compounds." (Convention date 27th February, 1995) U.S.A.

300/Del/96. Bayer Aktiengesellschaft, Germany. "N-(3-benzofuranyl) urea-derivatives," (Convention date 6th March, 1995) U.K.

15-02-1996

301/Del/96. L G Electronics Inc., Korea. "Heat exchanger" (Convention date 20th February, 1995) Korea.

302/Del/96. L G Electronics Inc., Korea. "Method for manufacturing heater of cathoderay tube." (Convention dale 20th February, 1995) Korea.

303/Del/96. L G Electronics Inc., Korea. "'Red fluorescencer composition for color cathode-ray tube." (Convention date 20th February, 1995) Korea.

304/Del/96. L G Electronics Inc., Korea. "Magnet assembly for a color ray tube." (Convention date 20th February, 1995) Korea.

305/Del/96. Sony Corporation, Japan. "Method for noise reduction." (Convention date 17th February, 1995 Japan.

306/Del/96. Igal A. Elan, Israel. "Transport and storage system." (Convention date 15th February, 1995. 31st May, 1995, 4th July, 1995 & 14th December, 1995) Germany.

307/Del/96. Collag Manufacturing Limited, England. "Apparatus and method for producing an extradate." (Convention date 28th February, 1995) U.K.

308|Del/96. Vax Limited, U.K. "Cleaning Head." (Convention date 18th February, 1995) U.K.

309|Del/96. GEC Alsthom Delas, France. "A bundle of tubes for a steam condenser." (Convention date 23rd February, 1995) France.

310/Del/96. Sony Corporation, Japan. "Method and apparatus for reducing noise in speech signal." (Convention date 17th February, 1995) Japan.

311/Del/96. Sony Corporation, Japan, "Motor driving apparatus." (Convention, date 16th February, 1995, 17th February, 1995 and 17th February 1995) Japan.

16-02-96

312/Del/96. L G Electronics Inc., Korea, "Method for manufacturing of Color Cathode-Ray Tube". (Convention date 20th February, 1995), Korea.

313|Del/96. BEFS Prokem, France, "Crystallizing Reactor",

314|Del/96. BP Chemicals Limited", England, "Substituted Azo-Dicarbonylo derivatives". (Convention date 21st February, 1995), U.K.

315|Del/96. Smithkline Beecham Corporation, U.S.A. "Apparatus and process". (Convention date 16th February 1995 and 2nd June 1995), U.S.A.

316|Del/96. Ashland Inc., U.S.A., Synergistic Improvement in Vinyl Ester resin shelf life through esterification to a low epoxy value and the addition of copper naphthenate," (Convention date 16th March 1995), U.S.A.

317/Del/96. Motolola, Inc., U.S.A.. "Messaging system and method having roaming capability and controlled group messaging, (Convention date 9th March 1995), U.S.A.

318/Del/96. Pfzer Inc., U.S.A., "B-Adrenergic Agonists".

19-2-1996

319/Del/96. The Procter & Gamble Company, U.S.A. "Cold-active protease and cold-active bacteria". (Convention date 17th February 1995) Japan.

320/Del/96. Govind S-Haran Tiwari, Delhi. "A pollution control reactor".

321/Del/96. Sujoy Kumar Guha, New Delhi. "A package for storage and dispensing of medical devices".

322/Del/96. Max India Limited, Punjab. "A matt film and to a process for the manufacture thereof.

323/DcI/%. Max India Limited, Punjab. "A matt film for use in treatment of leather".

324/Del/96. Max India Limited, Punjab. "A gloss film for use in treatment of leather".

325/Del/96. BP Chemicals Limited, England. "Process for polymerising olefin in Gas Phase". (Convention date 24th February 1995), France,

326/Del/96. UP Chemicals Limited, England, "Apparatus and process for Polymerising Olefin in gas phase". (Convention date 24th February 1995), France.

327/Del/90. Natec Reich, Summer GMBH & Co. Kg., Germany. "Line converger for conveyor lines with A 90" Turning device". (Convention date 23rd February, 1995) Germany.

20-2-1996

328/Del/96. Digital Equipment Corporation, U.S.A., "Method and apparatus for conducting computerized commerce . (Convention date 10th July 1995), U.S.A.

329/Del/96. Guardian Industries Corp, U.S.A. "Heat treatable, durable, IR-reflecting sputter-coated glasses and method of making same", (Convention date 7th June 1995), U.S.A.

330/Del/96. Batec Bio Analytical Technology Ltd., Israel, "Device for detection of micro-organisms in a sample".

331 /Del/ 96. ELF Antar Franco, France. "Plant for mixing and packaging Liquid products". (Convention date 20th February 1995), France.

332/Del/96. Autoliv Development AB, Sweden. "Improvements in or relating to a safety device". (Convention date 20th February 1995), Great Britain.

333/Del/96. Transition Automation, Inc., USA. "(Board matched nested support fixture". (Convention date 22ùd February 1995), U.S.A.

334//Del/96. Eastman Chemical Company, U.S.A., "Process for the production of Cyclopropanecarboxaldehyde". (Convention date 21st February 1995), U.S.A.

335/Del/96. Honda Giken Kogyo Kabushiki, Japan. "Battery mounting apparatus for scooter-type motorcyle". (Convention date 11th September 1995), Japan.

336/Del/96. Interbold, U.S.A., "Self-Adjusting sensor". (Convention date 4th April 1995), U.S.A.

337/DeJ/96. Motorola Inc., U.S.A. "Computer processor utilizing logarithmic conversion and method of use thereof". (Convention date 13th March 1995), U.S.A.

338/Del/96. Wir. Grace & Co.-Conn, U.S.A. "Cement composition". (Convention date 6th March 1995),

22-2-1996

339/Del/96. University of New Mexico, New Mexico. 'Methods and apparatuses for lithography of sparse arrays of sub-micrometer features'. (Convention date 24th February 1995), U.S.A.

340/Del/96. Sunil Puri, Gujarat, "A process for the synthesis of H-Acid".

341/Del/96. Sunil Puri, Gujarat, "A process for the synthesis of Dasa".

342/Del/96. Sunil Puri, Gujarat, "A process for the synthesis of a pour point depressant".

343/Del/ 96. The Chief Controller Research & Development, New Delhi, A process for the preparation of Polyaniline-ferrick Hydrogen Phosphate Complex and product thereof".

344/Del/96. The Chief Controller Research & Development, New Delhi. "A process for the preparation of Polyaniline Salt".

345/Del/96. Bhushan Lal Mittal, Ghaziabad, UP. "A mill or crusher for crushing or sugar cane".

346/Del/96. The Chief Controller, Research & Development, New Delhi. "An improved kit for explosive detection".

347/Del/96. The Whitaker Corporation. U.S.A. "Portable Telephone connection system". (Convention date 16th March 1995), U.K.

348/Del/96. The Whitaker Corporation, U.S.A. "Electrical Motor assembly and contact for use therewith". (Convention date 7th March 1995), U.K.

349/Del/96. The Whitaker Corporation, U.S.A. "Improved Electrical Wire connector" (7th March 1995), U.S.A.

350/Del/96. Whirlpool Corporation, U.S.A. "A cool down control".

351/Del/96. The Procter & Gamble Company, U.S.A. "Composite exhibiting elastic-like behavior". (Convention date 3rd March 1995), U.S.A.

352/Del/96. Kennametal Inc., U.S.A. "Helical cutting insert with offset cutting-edges". (Convention date 17th March 1995), U.S.A.

353/Del/96. Kennametal Inc., U.S.A. "Tool unit clamping apparatus having a locking mechanism with increased gripping force". (Convention date 17th March 1995). U.S.A.

354/Del/96. Corning Incorporated, U.S.A. "Method and apparatus for coating fibres". (Convention date 23rd March 1995), U.S.A.

355/Del/96. GIF Cosellschaft fur ingenieurprojekte freiburg MBH, Germany. "A device for separating condentate with separator elements". (Convention date 18th March 1995), Germany.

356/Del/96. Kennametal Inc., U.S.A., "Insert for Ball Nose end mill". (Convention date 27th March 1995), U.S.A.

357/Del/96. Opto Generic devices, Inc , U.S.A. "Optically programmed encoder apparatus and method", (Convention date 27th February 1995) U.S.A.

358/Del/96. The Secretary of State for Defence, U.K. "Pharmaceuticals and Assays using enzyme subunits". (Convention date 22nd February 1995), U.K.

359/Del/96. Sony Corporation, Japan. "Apparatus for Reeveling cathoderay tube". (Convention date 23rd February 1995), Japan.

360/Del/96, Sony Corporation, Japan. "Optical device". (Convention date 23rd February 1995), Japan.

361/Del/96. Colin Francis Johnson, New Zealand. "Solar concentrator for heat and/or electricity".

362/Del/96. Balraj Banger, Patiala. "Marking Equipment for roads".

363/Del/96. Balraj Banger, Patiala. "Drum brakes for Bicycle".

364/Del/96. Balraj Banger, Patiala. "Fluid Power system to run Bicycle/Rickshow".

23-2-1996

365/Del/96. Nihon Bayer Agrochem K.K., Japan. "Herbicidal l-Alkenyltetrazoliones". (Convention date 20th March 1995), Japan.

366/Del/96. Roussel Uclaf, France. "New Tricyclio derivatives their preparation their use for the preparation of optically active or racemic colchicine and thiocolchicine and analogues or derivatives and intermediates". (Convention date 3rd March 1995), France,

3b7/Del/96. Smithkline Beecham Biologkals S.A., Belgium. "Vaccine composition". (Convention date 25th February 1995), U.K.

368/Del/96. Honda Giken Kogyo Kabushiki Kaisha, Japan "Fuel metering control system for internal combustion engineer". (Convention date 25th February 1995), Japan.

369/Del/96. Sony Corporation, Japan. "Optical device having wire grid". (Convention date 24th February 1995), Japan.

370/Del/96. Sony Corporation, Japan. "Optical device having confocal knife edge mirror". (Convention date 24th February 1995), Japan.

371/Del/96. Sony Corporation, Japan. "Optical recording medium and method of producing same". (Convention date 24th February 1995), Japan.

372/Del/96. Rhone-poulenc agrochimie, France. "Process for the synthesis of hydrocarbon compounds which are fluorinated on a carbon of an alkyl chain". (Convention date 28th February 1995), France.

373/Del/96. Rohm GMBH. Germany. "Enzyme preparation for use in leather processing". (Convention date, 24th February 1995), Germany.

3?4/Del/96. Rhone-poulenc agrochimie. France. "Reactant compound and process for the perfluoroalkylation of a nucleophile, and the derivatives obtained". (Convention date 24th February 1995), France.

375/Del/96. Honda Gimen Kogyo Kabushiki Kaisha, Japan. "Fuel metering control system for internal combustion enginer". (Convention date 24th February 1995), Japan.

376/Del/96. Mrs Renu Dhindsa, New Delhi. "Mopping pad for cleaning purposes".

377/Del/96. Council of Scientific and Industrial Research, New Delhi, "An improved process for the microencapsulation of active ingredients in polymers",

378/Del/96. Council of Scientific and Industrial Research, New Delhi. "An improved process for beneficiation of Phosphogypsum, a waste by-product of Fertiliser Plants manufacturing phosphoric acid/ phosphate fertilisers".

379/Del/96. Council of Scientific and Industrial Research, New Delhi. "A process for the production of fungal spores in solid state fermentation".

380/Del/96. Council of Scientific and Industrial Research, New Delhi. "A process, for the complete removal of phenol from phenol bearing wastewater by a mutant strain of psendomonas pictorum Immobilized on rice bran based granular activated carbon".

381/Del/96. Council of Scientific and Industrial Research, New. Delhi, "A process for the preparation of a novel desiliconizing compound suitable for direct ladle desiliconization of molten iron & Steel.

382/Del/96. Council of Scientific and Industrial Research, New Delhi. "An improved process for the production of ethanol from cashew apple molasses".

383/Del/96. Council of Scientific and industrial Research, New Delhi. "An improved process for the preparation of (2R, 3S, 24S)-2, 3-Diacetoxy-22, 23-Epaxy-24-Ethyl-B-Homo-7, Oxa-5A-Xholestan-6-one".

384/Del/96. Council of Scientific and Industrial Research, New Delhi. "An improved process for the preparation of 5-chlord-Z- Oxindole, an important intermediate for the preparation of anti-inflammatory agent tenidap".

385/Del/96. Council of Scientific and Industrial Research, New Delhi. "An improved process for the hydroxylation of ethyl Benzene".

386|Del/96. Council of Scientific and Industrial Research, New Delhi. "An improved process for the production of meta-dichlorobenzene".

387/Del/96. Council of Scientific and Industrial Research, New Delhi. "An improved process for the manufacture of alkoxy carbonyl isothiocyanate".

388/Del/96. Council of Scientific and Industrial Research, New Delhi. "An improved process for the preparation of 1, 2-Bis (3-methoxy carbonyl-2- thoureido) Benzene (Thiophanate methyl).

389/Del/96. Council of Scientific and Industrial Research. New Delhi. "A process for the preparation of (2R. 3S. 24S) -2, 3- Diacetoxy -22-Bromo-24-ethyl -B-Homo-7-Oxa-23-bydroxy-5A-cholestan-6-6ne.

390/Del/96. Council of Scientific and Industrial Research, New Delhi. "A device useful for cutting stable hole or manhole on the walls of underground mines".

39l/Del/96. Council of Scientific and Industrial Research, New Delhi. "A mechanized crocodile".

392/Del/96. Council of Scientific and Industrial Research, New Delhi. "An improved process for the preparation of dlalkoxy methanes".

393/Del/96. Council of Scientific and Industrial Research. New Delhi. "An improved process for the preparation, of and napthol by hydroxylation of napthalene using organotransition metal complex".

394/Del/96. Council of Scientific and Industrial Research, New Delhi. "An improved process for electrowinning of nickel with improved anodes and cathodes",

395/Del/96 Council of Scientific and Industrial Research, New Delhi. "An improved process for the production of raw coke useful for making high density monolithic graphite".

26-2-96

396/DEL/96 Gilead Sciences, Inc., U.S.A. "Carbocyclic Compounds". (Convention Data 27th February 1995 and 29th December, 1995) U.S.A.

397/DEL/96 Sony Corporation, Japan, "Audio Signal Compression Method". (Convention date 27th February, 1995) Japan.

389/DEL/96 The Standard Oil Co., U.S.A. "A process for making a high Nitrile Multipolymer prepared from Acrylonitrile and Olefinically Unsaturated Monomers" (Convention date 27th February, 1995) U.S.A.

399/DEL/96 Platinum Plus, Inc., U.S.A "Operation of Diesel Engine with reduced particulate emission by utilization of Platinum Group Metal Fuel Additive and pass through Catalytle Oxidizer". (Convention date 14th March 1995) U.S.A

27-3-96

400/DEL/96. Nishi Kant Garg, New Delhi. 'Syringe and Needle Destroyer".

401 /DEL/96 The Mitre Corporation, U.S.A. "Laser Satelite Communication System". (Convention date 28th February, 1995) U.S.A.

402/DEL/96 Bell Communications Research, Inc., U.S.A. "Distributed Service Management System and Method for Personal Communication Services".

403/DEL/96 Sony Corporation, Japan. "Optical Pickup and Optical Recording and Reproduction Apparatus". (Convention date 28th February, 95) Japan.

404/DEL./96 Centre Stephanois De Recherches Mecaniques Hydromecanique Et Frottement, France. "Method of Treating Ferrous Surfaces subjected to High Friction Strains". (Convention date 1st March, 1995) France.

405/DEL/96 Haeco Partners, Ltd., U.S.A. "Improved cooling for Gas Turbine Two Stroke Piston Compound Engine".

406/DEL/96 The Good Year Tire & Rubber Co., "U.S.A. Silica Reinforced Rubber Composition and use in Tires Thereof". (Convention date 14th March, 1995) U.S.A.

28-2-96

407/DEL/96 Subhash Chander Gupta, Delhi, "urtain Bracket",

408/DEL/96 The Procter & Gamble Company, "U.S.A.. Subtilisin Carlsberg Variunts Having Decreased Adsorption and Increased Hydrolysis". (Convention date 8th March, 1995) U.S.A.

409/DEL/96 The Proctor & Gamble Company. "U.S.A., Dispersed Smectite Clay as Oil in water stabilizer for skin cleansing liquid composition", (Convention date 14th March, 1995) U.S.A.

410/DEL/96 The Procter & Gamble Company, "U.S.A., Dispersed Amorphous Silica as Oil in water stabilizer for skin cleansing liquid composition". (Convention date 14th March, 1995) U.S.A.

411 /DEI /96 The Procter & Gamble Company, "U.S.A., Oral Compositions". (Convention date 9th March 1995) U.S.A.

412/DEL/96 Astra Akticbolag, Sweden, "The Pharmacological line of certain cystine derivatives". (Convention date 14th March, 1995) Sweden.

413/DEL/96 Pfizer Inc., U.S.A., "Arylsulfonylamino Hydroxamic Acid Derivatives". (Convention date 8th March, 1995) U.S.A.

414/DEL/96 New England Medical Center Hospitals, Inc., U.S.A. "FSF-1 and the Early Detection of Fibrosis". (Convention date 28th February, 1995) U.S.A..

415/DEL/96 New England Medical Center Hospitals, Inc, U.S.A., "FSF-1 and the Early Detection of Fibrosis". (Convention date 28th February, 1995) U.S.A.

416/DEL/96 Automotive Products Plc, Great Britain. "Twin Mass Flywheel". (Convention date 27th May, 1995) U.K.

417/DEL/96 Imperial Chemical Industries Plc., U.K., "A Process for Reclaiming (Meth) Acrylate Materials". (Convention date 9th March, 1995)

418/DEL/96 Adcock Ingram Limited, South Africa. "A Method for the Isolation and Purification of Lipid Cell-Wall Components".

29-2-96

419/DEL/96 Discovision Associates, California. "Signal Processing System". (Convention date 7th June, 1995) Great Britain.

420/DEL/96 Discovision Associates, California. "Apparatus and method for Suppression of Electromagnet tic Interference". (Convention date 11th April, 1995) U.S.

421/DEL/96 Discovision Associates, California. "Improved Opticals Disc Tracking Contro". (Convention date 7th June, 1995) U.S.

422/DEL/96 Discovision Associates, California. "Optical Seeking Method and Apparatus.". (Convention date 7th April, 1995) US.

423/DEL/96 Discovision Associates, California. "Seek Actuator for Optical Recording". (Convention date 11th April, 1995) U.S.

424/DEL/96 Subodh Gupta, New Delhi, "Curtain Brackett".

425/DEL/96 Alcan International Ltd., Canada. "Aluminum Alloy Composition and Methods of Manufacture". (Convention date 1st March, 1995) U.S.A.

426/DEL/96 Farecla Products Ltd.. England. "Applicator Head". (Convention date 3rd March, 1995) U.K.

427/DEL/96 Sumitomo Wiring Systems, Ltd.. Japan. "Processing the End of a Wound Resistance Wire". (Convention date 3rd March, 1995) Japan.

428/DEL/96 L'Air Liquide, Societe Anonyme Pour L'etude ET L'Exploitation Des Process Georges Claude, France. Process and Installation for the separation of a Gaseous mixture by permeation". (Convention date 3rd March, 1995) France.

429/DEL/96 Ingerssoll-Rand Co., U.S.A. "Mechanical Fluid Separator". (Convention date 3rd March. 1995) U.S.A.

430/DEL/96 Warner-Lambert Co., "U.S.A., Unique Two-Axis Pivoting Shaving System". (Convention! date 31st March, 1995) U.S.A.

431/DEL/96 Motorola, Inc., U.S.A. "Method for Wireless Communication System Planning". (Convention date 31st March, 1995) U.S.A.

432/DEL/96 The Procter & Gamble Company, U.S.A. "Composite Exhibiting Elastic-Like Behavior". (Convention date 3rd March, 1995) U.S.A.

433/DEL/96 The Procter & Gamble Company, U.S.A. "Anatomical Compound Sanitary Napkin". (Conivention date 2nd March, 1995) U.S.A.

434/DEL/96 The Procter & Gamble Company, U.S.A. "Process for producing Detergent Agglomerates from High, Active Surfactant Pastes having Non-Linear Viscoelastic Properties". (Convention date 7th March, 1995) U.S.A.

435/DEL/96 The Procter & Gamble Company, U.S.A. "Chelant Enhanced Photobleaching".

436/DEL/96 Ved Prakash Jindal, Delhi. "Milk Boiler Alarm".

1-3-96

437/DEL/96 Liquid Air Engineering Corp., U.S.A. "Process and apparatus for the production of Nitrogen". (Convention date 2nd March, 1995) U.S.A.

438/DEL/96 Dr. Beck & Co. AC, Germany. "Wire Coating Composition and process for the preparation". (Convention date 7th March, 1995) Germany.

439/DEL /96 Sony Corporation, Japan. "Video Data Recording Apparatus and Video Data Reproducing Apparatus". (Convention date 6th March, 1995) Japan.

440/DEL/96 Praxair Technology, Inc., U.S.A. "Mixed-Catfon Adsorbent production with single passion Exchange". (Convention date 2nd March, 1995) U.S,A.

441/DEL/96 Cookson Group Plc. U.K. "Solid State Nitrogen Sensors". (Convention date 3rd March 1995) U.K.

442/DEL/96 Graniteyillc Co., U.S.A. "Method and Means for retaining permethrin in washable fabrics". (Convention date 10th March, 1995) U.S.A.

443/DEL/96 Natee Reich, Summer OMBH & Co, , KG., Germany. "Method and apparatus for forming; and portioning a Viscous Mass".

444 /DEL/96 Sumitomo Electric industries Ltd., Japan "Spring having high nitrided properties and method for manufacturing the same".

445/DEL/96 Autospin (Oil Seals) Ltd.,. England. "Radial Lip Seals". (Convention date 1st March, 1995 and 18th August, 1995) Great Britain.

446/DEL/96 W.R. Grace & Co. Conn,, U.S.A. "Cement Composition". (Convention date 6th March, 1995 and 6th November, 1995) U.S.A.

447/DEL/96 Steel Authority of India Ltd., New Delhi. "A Pilot Plant for Optimising the Aspirator Efficiency in charging of coal into Coke Ovens".

448/DEL/96 Bharat Heavy Electricals Ltd. "New Delhi improvements in Ring-Lubricated combined Journal and Thrust Bearing".

449/DEL/96 Bharat Heavy Electricals Ltd., New Delhi. "A, process for the manufacturing of dry-type air-dore reactor with improved insulation system".

4-3-96

450/DEL/96 Pfizer Inc., U.S.A. "Inhibiting Photodecomposition of 3-Substituted-2-Oxindoles".

451/DEL/96 De La Rue Giori S. A., Switzerland. "Method for Automatic Evaluation by means of an Opto-Electric Device". (Convention date 30-3-1995) Italy.

452/DEL/96 De La Rue Giori & A., Switzerland. "Procedure for producing a reference model intended to bo used for automatically checking the printing quality of the image on paper". (Convention dale 7th March, 1995) Italy.

6-3-96

453/DEL/96 Steel Authority of India Limited.. New Delhi. "An electronic device for precise on-line measurer ment of dimensions of semifinished/finished products in steel plants."

454/DEL/96 University of Hawai and Wayne State University. "U.S.A., New Cryptophycins from Synthesis". (Convention date 7th March, 1995) U.S.A.

455/DEL/96 The Procter & Gamble Company, "U.S.A. Detergent Compositions". "(Convention date 11th March, 1995) U.K.

456/DEL/96 The Procter & Gamble Company. "U.S.A. Subtilising Dy Variants with Decreased Adsorption and Increased Hydrolysis". (Convention date 9th March, 1995) U.S.A.

457/DEL/96 The Procter & Gamble Company, "Thermitase variants with Decreased Adsorption and increased Hydrolysis". (Convention date 9th March, 1995)

458/DEL/96 The Procter & Gamble Company. "U.S.A. Proteinase K. Variants with Decreased Adsorption and Increased Hydrolysis". (Convention dale 9th March, 1995) U.S.A.

459/DEL/96 The Procter & Gamble Company. "U.S.A. Container having a Tamper Evidency System". (Convention date 30th March, 1995) U.S.A.

460/DBL'96 The Procter & Gamble Company. "U.S.A. Coolant Compositions". (Convention date 16th March, 1995) U.S.A.

461/DEL/96 Mul-T-Lock Technologies Ltd. Israel. "Mechanically changeable cylinder lock and key with Rotating Pins". (Convention date 6th March, 1995 and 16th March, 1995) U.S.A.

462/DEL/96 Sony Corporation, Japan. "Objective Lens Optical Head Device and Optical Disc Reproducing Apparatus". (Convention date 10th March 1995) Japan.

463/DEL/96 Zeneca Limited, England. "Process". (Convention date 17th March, 1995) Great Britain.

464/DEL/96 Ciba-Geigy AG., Switzerland "Production of Thermoset Pressure Gelation Castings". (Convention date 7th March, 1995) Great Britain.

465/DEL 96 Mesdan S.P.A., Italy. "Pneumatic Thread or Yam joining apparatus for installation on Textile Machines, in particular on automatic Bobbin Winding Machines". (Convention date 1st March, 1995) Italy.

466/DEL/96 Eli Eco Logic Inc., Canada. "Method and apparatus for treatment of Organic Waste Material". (Convention date 6th March, 1995) Canada.

467/DEL/96 Delsey, France, "Luggage Improvements".

7-3-96

468/DEL/96 Courtaulads Fibres (Holdings") Limited, England. "Fibre Treatment". (Convention date 16th March, 1995) U.K.

469/DEL/96 Tioxide Group Services Ltd., England, "Composite Pigmentary Material". (Convention date 11th March, 1995) U.K.

470/DEL/96 Scapa Group Plc. U.K. "Wire coating composition." (Convention dale 8th March, 1995) U.K.

471 /DEL/96 Bell Communications Research, Inc, U.S.A. An Improved Periodic Wireless Data Broadcast". (Convention date 24th April, 1995) U.S.A.

472/DEL/96 ICI Australia Operations Proprietary Limited. "Australia, Controller and process for Explosives Mixing and Loading". (Convention date 10th March. 1995) Australia.

473/DEL/96 L'Air Liquide, Societe Anonyme Pour L'etude ET L'exploitation Des Procedes Georges Claude. France. Process and Device for the Evaporation of a Liquid Flow". (Convention date 15th March, Degradation of Armid Fibres".

8-3-96

474/DEL/96 The Chief Controller Research & Development, Ministry of Defence, New Delhi. "A Process for Degradation of Aramid Fibres".

475/DEL/96 The Chief Controller Research & Development, Ministry of Defence. New Delhi. "A Process for preparation of Aramid Fibres having improved Adhesion Property".

476 DEL/96 The Chief Controller Research & Development, Ministry of Defence, New Delhi. "An improved process for preparation of Iron Based Alloys".

477/DEL/96 The Chief Controller Research & Development, Ministry of Defence, New Delhi. "An improved Kit for detection and identification of Explosives and Process Thereof".

478/DEL/96 Bharat Heavy Electricals Ltd., New Delhi. "A Fire Extinguish System".

479 DEL/96 The Procter & Gamble Company, "U.S.A., Synthesis of Blench Activators". (Convention. date 15th March, 1995) U.S.A.

480/DEL/96 The Procter & Gamble Company. "U.S.A., Perfumed Bleaching Compositions". (Convention date 17th March, 1995) U.K.

481/DEL/96 The Procter & Gamble Company, "U.S.A., Methods for the treatment of Osteoporosis using Hone active Phosphonates and Parathyroid Hormone".

482/DEL/96 The Procter & Gamble Company, "U.S.A., Methods for the treatment of Osteoporosis using Estrogen Compounds and Parathvroid Hormone".

483/DEL/96 The Procter & Gamble Company. "U.S.A., Methods for the treatment of Osteoporosis using Antiresorptive Compounds and Parathyroid Hormone".

484/DEL/96 MCA Medical Products Pty Ltd., Australia. "A Speculum" (Convention date 9th March, 1995 and 23rd October. 1995) Australia.

485/DEL/96 Mitsui Petrochemical Industries, Ltd., Japan. "Bottle from polyester composition and process for producing the same". (Convention date 9th March, 1995 and 2nd October, 1995) Japan.

486/DEL/96 Kabushiki Kaisha Toshiba, Japan. "Contact Electrode for Vacuum Interrupter". (Convention date 10th March, 1995) Japan.

487/DEL/96 Eastman Chemical Co.. "U.S.A., Vacuum system for controlling pressure in a polyester process". (Convention date 9th March, 1995) U.S.A

488/DEL/96 /Zeneca, Inc, U.S.A. "Fungicidal Composition" (Convention date 23rd March, 1995) U.S.A.

489/DEL/96 Nyltech France, France, "Polyamide-based composition of High Light Stability" (Convention date 10th March, 1995) France.

490/DEL/96 Durecell Inc., U.S A "Additives for Alkaline. Electrochemical Cells having Manganese Dioxide Cathodes". (Convention date 22nd August, 1945) U.S.A.

491/DEL/96 The Chief Controller Research & Development Ministry of Defence. Government of India, New Delhi. "An improved process for preparation of Glycidyl Azide Prepolymer and Product Thereof".

ALTERATION OF DATE UNDER SECTION-16

177369 (181/Cal/94) antedated to 27th February, 1992.

COMPLETE SPECIFICATIONS ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office on the prescribed Form-15 of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हो, के साथ विनिर्देशों की अंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय में पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार रु. 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl. : 69 I 177351.

Int. Cl. : H 01 H 71/32

SWITCH LOCK FOB A FAULT CURRENT CIRCUIT BREAKER.

Applicant : FELTEN & GUGUILIEAUME FABRICK ELEKTRISCHER APPARATE AKTIENGESELLSCHAFT, OF A-3943 SCHREMS—EUGENIA (NIEDEROSTERREICH), AUSTRIA,

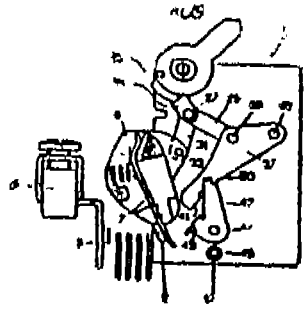
Inventors: (1) GERHARD SCHUH (2) GERHARD AMON.

Application No. l44/Cal/l991 filed on 15th February 1991.

Appropriate office for opposition proceeding Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

15 Claims

Switch lock (1) for a fault current circuit breaker with a swivel mounted control knob (20), which can be coupled at least directly with movable contacts of a contact apparatus (3, 5, 7) and with it swivel mount nawl (37) coupled to the control knob (20), to which is assigned a spring loaded pawl arbor (43) swivel-mounted in the switch lock (1). to which is assigned the trigger rammer (53) of a permanent magnetic trigger (11) and wherein a reset lever (55) is swivel mounted on the switch lock (1) and is stressed by a spring (59) in the direction of return of the trigger rammer (53) of the permanent magnetic trigger (11), and wherein the reset lever (55) is arranged in the on-position of the control knob (20) at a distance from the trigger rammer (53) of the permanent magnetic trigger (11), said reset lever (55) being a two-armed lever. one arm (67) of which is assigned to the trigger rammer (53) of the permanent magnetic trigger (11) and the second arm (69) of which is assigned to the control knob (20) and said control knob (20) having a control cam (22), which is assigned to one arm (69) of the reset lever (55) the control cam (22) when the control knob (20) is in the on-position holding the reset lever (55) in a swivel position in which its arm (67) assigned to the trigger rammer (53) of the permanent magnetic trigger (11) is arranged beyond the swivel zone of the trigger rammer (53).



Compl. Specn. : 14 pages Drgns ; 2 sheets

Cl. : 34 C. D. 177352.

Int. Cl. : D 01 D 5/08 D 01 5/084, 5/088, 5/092,

PROCESS AND APPARATUS FOR THE PRODUCTION OF SYNTHETIC YARNS OF FIBRES FROM POLYMERS MORE PARTICULARLY POLYAMIDE POLYESTER OR POLYPROPYLENE.

Applicant : DEUTSCHE ENGINEERING DER VOEST-ALPINE INDUSTRIEANLAGENBAU GMBH, OF ALF REDSTRASSE 28, 4300 ESSEN 1, GERMANY.

Investors : (1) INGO EIFLANDER (2) JURGEN HARTIG (3) RUDOLF GEIER.

Application No. : 425/Cal/9l filed on 5th June, 1991.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for the production of synthetic yarns or fibres from polymers, more particularly polyamide polyester or polypropylene, by melt-spinning of microfilaments, in which process the microfilaments withdrawn at a predetermined with drawal speed are cooled at least to solidification temperature in a cooling zone following the spinerette and then, for stretching purposes, are heated in a heating zone to a temperature above the solidification point and at the same time are blown with a gaseous medium, e.g. air in order to increase the frictional resistance or generate the required stretch, characterised in that the microfilaments having an individual denier of 1.0 dtex are passed in an unbunched alignment through the heating zone and axe subjected to the blowing of the gaseous medium in counter-current for complete stretching and the microfilaments are passed through the heating zone at a withdrawal speed in excess of 3500m/min upto 8000m/min.

Compl. Specn, : 9 pages Drgns : 1 sheet

Cl : 150 C 177353.

Int. Cl. : F 1 6 D 3/04 F 04 C 18/02.

AN OLDHAM COUPLING FOR USE IN A SCROLL MACHINE.

Applicant : COPELAND CORPORATION, OF CAMPBEL ROAD; SIDNEY, OHIO 45365-0669 UNITED STATES OF AMERICA.

Inventor : JAMES FRANKLIN FOGT.

Application No. 453/Cal/1991 filed on 17th June, 1991.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

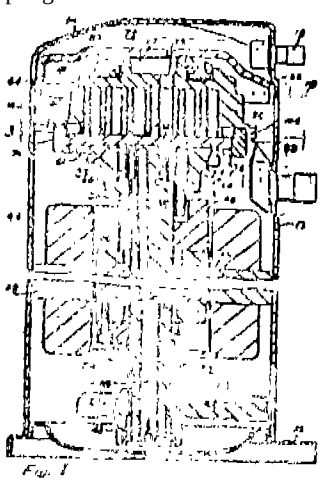
7 Claims

An Oldham coupling for use in a scroll machine to assist in maintaining a relatively fixed angular relationship between first and second scroll members comprising :

an annular ring having a first face and an axis center;

first two alinged pairs of abutment surfaces provided on said tint face for operable association with said first scroll member to prevent relative rotation between said coupling and said first scroll member and defining a first line;

a second two aligned pairs of abutment surfaces provided on said first face defining a second line at right angles to said first line and offset from said axis center, said second two pairs of abutment surfaces being operatively associated with said second scroll member to prevent relative rotation between said coupling and said second scroll member.



Compl. Specn. : 14 pages Drgns : 3 sheets.

Cl. ; 156 E 177354.

Int. Cl. : F 04 B 1/04.

ADJUSTABLE ROTOR MECHANISM WITH TWO ECCENTRIC SUB-MECHANISMS.

Applicant ; WHITEMOSS, INC., OF 1402 W. UNIVERSITY, URBANA, ILLINOIS 61801, UNITED STATES OF AMERICA.

Inventors. : (1) WILLIAM CY RILEY (2) MARC STEPHEN ALBERTIN (3) JAMES BERNARD MAY.

Application No. : 500/Cal/199l filed on 2nd July, 1991.

Appropriate office for opposition proceedings (Rule A, Patent Rules, 1972) Patent Office, Calcutta,

12 Claims

An adjustable rotor mechanism with two eccentric submechanism comprising :

(a) a shaft (1) rotatable on an axis,

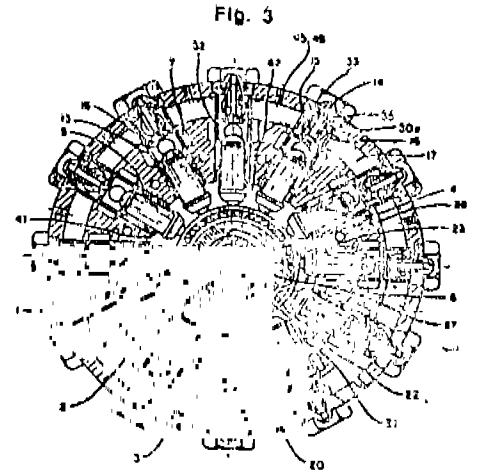
(b) a primary eccentric (2) surrounding said shaft and fixed to or integral with said shaft.

(c) a secondary eccentric ring (3) surrounding and movable with respect to said primary eccentric,

(d) a cavity (28) between said primary eccentric (2) and said secondary eccentric ring (3) and defined by outer surfaces of said primary eccentric (2) which are spaced radially from said shaft axis, and inner surfaces of said secondary eccentric ring (3) which are spaced radially from said shaft axis, and

(e) an adjustment mechanism (27) such as a control vane within said cavity (28) to adjust the relative positions of said primary eccentric (2) and said secodary eccentric ring (3).

Fig. 3



Compl. Specn : 32 pages Drgns: 12 sheets

Cl. : 167 C 177355.

Int. Cl. : B 0 7 B 1/04.

AN APPARATUS FOR SEPARATION OF MATERIAL OF DIFFERENT SIZES.

Applicant & Inventor : KOTAMRAZU KRISHNA MOHAN SHARMA, OF 9 R. N. MUKHERJEE ROAD, CAIXUTTA-700 001, WEST BENGAL, INDIA.

Application No. : 155/Cal/1992 filed on 6th March, 1992.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office. Calcutta.

9 Claims

An apparatus for separation of material of different sizes comprising grizzly deck having plurality of grizzly bar provided with arrangement to have adjustable space there between characterized in that deflectors being provided spacedly on each of said grizzly bars, the side end bars of the deck provided with the deflectors to obstruct riding of particles over said bars and to push the particles inwardly of the deck, the inner grizzly bars of the deck provided with the deflectors to obstruct riding of particle over said bars to direct flow of particles towards said space provided between the grizzly bars over the deck, said deck is connected to electro magnetic means for effecting vibration of the deck at varible amplitudes.

Compl. Specn. : 10 pages Drgns : 3 sheets

Cl. : 40 B 177356

Int. Cl. : B 01 J 23/44.

A PROCESS FOR THE PREPARATION OF A CATALYST CONTAINING PALLADIUM COMPOUNDS THEREOF.

Applicant: HOECHST AKTIENGESELLSCHAFT, OF D-6230 FRANKFURT AM MAIN HO, FEDERAL REPUBLIC OF GERMANY.

Inventors: (1) PETER W1RTZ (2) KARL-FRED WORNER (3) FRIEDRICH WUNDER (4) KLAUS EICHLER (5) GUINTER ROSCHER (6) IOAN NICOLAU.

Application No. 386/Cal/1992 filed on 1st June, 1992.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

5 Claims

A process for the preparation of a catalyst which contains palladium and/or compounds thereof and alkali metal compounds, and additionally cadmium compounds and/or gold and/or compounds thereof on support particles which have been pressed from SiO^2 or an SiO^2-Al^2O_3 mixture with the aid of a binder comprising one or more Li, Mg A1, Zn Fe or Mn salts of a C^2C 26-carboxylic acid and have subsequently been roasted in oxygen-containing gases at 500—900"C for a period of 0.25-5 hours and thereafter have a surface area of 50-250m^2 /g and a pore volume of 0.4-1.2 ml/g at a particle size of 1-15mm, 5-20% of the pore volume being formed by pores having a radius of 200-3000 A and 50-90% of the pore volume being formed by pores having a radius of 70-100A which comprises.

(a) washing the roasted support particles with an acid which does not react with SiO^2 or SiO^2-Al^2O_3 mixtures, until no further cations of the binder employed during pressing of the support particles are released from the support particles;

(b) then impregnating the support particles with palladium, and gold or cadmium ;

(c) then bringing the impregnated support particles into contact with a volution of a base at least until the thickness of the noble metal shell generated in this way on the support particles no longer changes substantially; and

(d) then impregnating the support particles with an alkali metal compound.

Compl. Specn : 15 pages Drgns : Nil

Cl. 48 C 177337.

Int. Cl. ; H 01 B 3.'00, 3, 1H.

HF AT-RETRACTIVE WEB OF MATERIAL.

Applicant ; STEWING GMBH & COL KG WERK BERLIN, AM JULIUSTURM 11 A, 1000 BERLIN 20/ GERMANY.

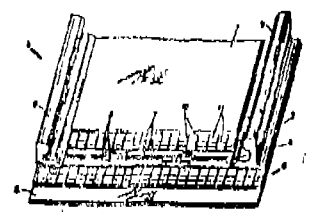
Inventors: (1) FRIEDRICH BECKER (2) DR. NORBERT NICOLAI (3) WINFRIED STUPP.

Application No. : 561/Cal/1991 filed on 6th August, 1992.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

17 Claims

Ah-retractive web of material for making coverings shrinkable on articles more particularly cable joints and branches, consisting of at least one polymeric end layer, a thermally stable mesh layer and a heat shrinkable retractive layer, chracterized in that the retractive layer consists of a. cross-linked stretched plastic web (4) which in the shrinkage direction is divided by dividing cuts (7) penetrating the plastic web and/or non-penetrating surface cuts to form shrinkage strips (8) of predetermined width.



Compl. Specn. : 12 pages Drgns : 1 sheet.

Cl. : 69 B & I 177358

Int. Cl. : H 02 B 13/04.

METAL-ENCLOSED GAS-INSULATED SWITCHGEAR HAVING A CABLE CONNECTION HOUSING.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHFRPIATZ 2, 8000 MUENCHEN 2, GERMANY.

Invntor : RAINER POTH.

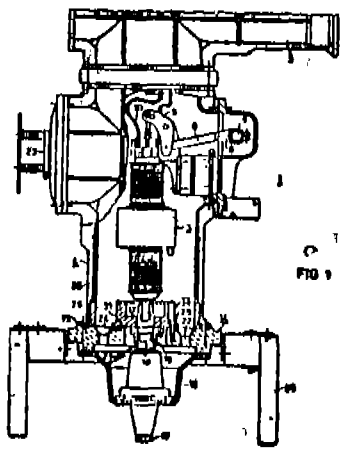
Application No. : 926/Cal/1992 filed on 29th December, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta,

4 Claims

Metal-enclosed gas-insulated switchgear (1) having a cable connection housing (16) and adjoining interrupter chamber housing (4), ,and also having a suspension insulator (14) arranged between the cable connection housing (16) and the interrupter chamber housing (4) for a supporting member (13) supporting the interrupter chamber (3), in which the said suspension insulator (14) accommodates a connecting member (19) for a cable guide (18) and possesses through openings (22) for the insulating gas, and in which the

interrupter chamber housing (4) is additionally provided with a device (23) for pressure relief, characterised in that at least one channel (24) which connects the cable connection housing (16) and the interrupter chamber housing (4) and which begins in the vicinity of the connecting member (19) is provided in the space between the through-openings (22) and the connecting member (13).



Compl. Specns. : 8 pages; Drgns 2 sheets.

Cl. : 133 A 177359
157 C

Int. Cl.[4] : B 61 C 15/08.

A SYSTEM FOR RESPONDING TO A SENSED STALL CONDITION IN A TRACTION VEHICLE.

Applicant ; GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventor: FRANK MICHAEL GRABOWSKI.

Application No. : 20/Cal/1994 filed on 12th January, 1994.

(Divided out of Appln. No. 911/Cal/89 antidated to 31-10-89).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules. 1972) Patent Office, Calcutta.

2 Claims

A system for electrically responding to a sensed stall condition in a traction vehicle having atleast one pair of electric tractor motors (M1, M2) operatively connected to a first and second wheels, the system comprising :

means (63) for monitoring the rotation of each wheel and sensing when both of the vehicle wheels stop rotating;

means (83) for monitoring the current in each of the motors and detecting the higher magnitude thereof :

means (27) for deenergizing both said motors operatively connected to said means for monitoring the rotation of each said wheels for deenergizing said motors after a variable time period upon sensnig of a stop condition of both vehicle wheels by said rotation monitoring means characterised by

means (80) for varying said time period as an inverse function of the higher magnitude of current, said means having a plurality of amplifiers (180, 182, 184) each having a respective breakpoint said amplifiers receiving a motor current input signal, and in integrater (186) coupled to the outputs, of said amplifiers.

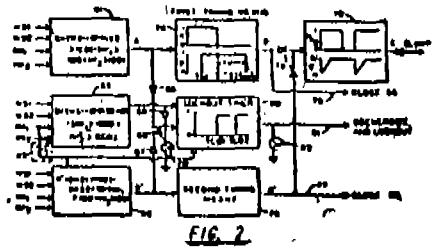


FIG. 2

Compl. Specn. : 23 pages; Drgns. : 3 Sheets.

Cl. : 65 B 2 177360

Int. Cl : H 01 F 3/04.

METHOD FOR MAKING PACKETS OF AMORPHOUS METAL STRIP FOR TRANSFORMER—CORE MANUFACTURE.

Applicant : GENERAL ELECTRIC COMPANY. OF 1 RIVER ROAD, SCHENECTADY 12345, NEW YORK, UNITED STATES OF AMERICA.

Inventors : (1) WILLI KLAPPERT
(2) DAVID R. FREEMAN.

Application No. 219/Cal/95 filed on 01st March, 1995.

(Divided out of Appln. No 410/Cal/91 antidated to 30-05-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

7 Claims

A method of making packets of amirphous metal strip adapted to be wrapped about the arbor of a transformer core-making machine, each packet comprising a plurality of groups of strip, each group comprising many thin layers of strip, each layer having two longitudinally extending edges at opposite sides of the layer and two transversely extending edges at opposite ends of the layer, the longitudinally-extending edges at each side of the layers of each group being substantially aligned and the transversely-extending edges at each end of the layers in each group being substantially aligned, said method comprising :

(a) providing a composite strip comprising many thin layers of amorphous metal strip stacked in superposed relationship,

(b) advancing the leading end of said multi-layer composite strip forward,

(c) after the step of (h) cutting said multi-layer composite strip at a location spaced rearwadly of the leading edge of said composite strip, thereby detaching from said leading end a first section of multi-layer amorphous metal strip and also creating a new leading end just behind said cutting location,

(d) clamping said detached section to a supporting surface,

(e) advancing the new leading end of said composite strip forward,

(f) afier the step of (e) cutting said composite strip at a location spaced rearwardly of the new leading edge of said multi-layer composite strip thereby detaching from said new leading end an additional section of multi-layer amorphous metal strip and creating another new leading end just behind said latter cutting location.

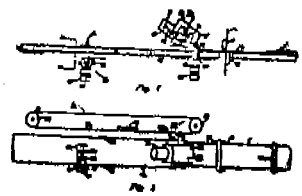
(g) advancing said additional section over the top of the immediately-proceeding detached section.

(b) unclamping the immediately-preceding detached section and then clamping the additional detached section,

(i) repeating steps substantially as defined in (e), (f), (g) and (h) with respect to each succeeding new leading end or section until a predetermined number of sections of multi-layer strip have been detached from said composite strip and slacked upon said supporting surface to form a packet for wrapping about said arbor and in which the method is further characterized by :

(j) each group being formed from one or more of said sections with the layers of each group slacked in substantially aligned relationship, and

(k) the leading edge of the additional sections, of composite strip being advanced during the aforesaid additional-section advancing steps into positions that locate the adjacent transversely-extending edges of adjacent groups in staggered relationship with respect to each other.



Compl. Specn, : 25 pages; Drgns : 3 Sheets.

Cl. : 32 A 1 177361

Int. C : C 09 B 62/008

"A PROCESS FOR PREPARING MONOAZO COMPOUNDS SUITABLE AS FIBRE-REACTIVE DYESTUFFS".

Applicant : HOECHST AKTIENGESELLSCHAFT, OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) HARTMUT SPRINGER.

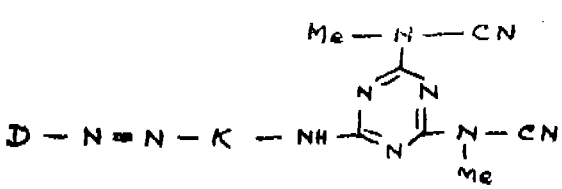
(2) ROLF GLEIBNER.

Application No. : 470/Cal/91 filed on 20th June, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

10 Claims

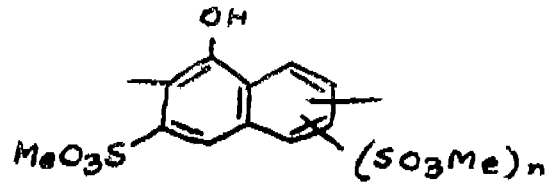
A process for preparing a monoazo compound of the formula (1)



Where

Me is hydrogen or an alkali metal;

K is a radical of the formula (2)



Where

Me has one of the abovementioned meanings and

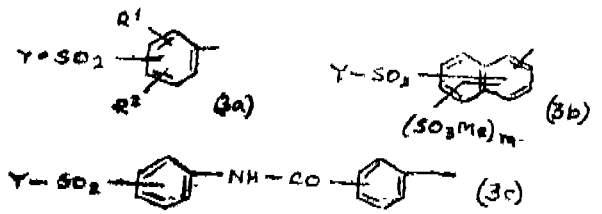
n is zero or 1 (if zero, this group being hydrogen);

D is a group of the formula (3a), (3b) or(3c)

Where

Me has one of the abovementioned meanings

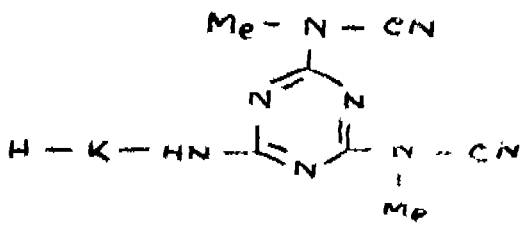
R^1 an alkyl of from 1 to 4 carbon atoms, which boxyl-or sulfato-substituted, akloxy of from to which may be sulfo-, carboxyl- chlorine, bromine, hydroxyl, cyano



R^2 is hydrogen, alkyl of from 1 to 4 carbon atoms or from 1 to 4 carbon atoms,

Y is vinyl or ethyl which contains in the B-position a substituent which is eliminable by alkali to form a vinyl group, and

m is zero, 1 or 2 (if zero, this group being hydrogen) which comprises coupling a compound of the formula (5)



where K and Me are each as defined above with a diazonium salt of an aromatic amine of the formula D-NH^2, where D is as defined above in an aqueous medium at a temperature of between 5 and 40"C and at a pH of between 3. 5 and 7.5.

Compl. Specns. : 20 pages; Drgns : Nil

Cl. : 35 G 177362

Int. Cl. : C 04 B 35/65, 41/51.

"METHOD FOR FORMING SELF-SUPPORTING COMPOSITE BODIES".

Applicant : LANXIDE TECHNOLOGY COMPANY, LP, OF TRALEE INDUSTRIAL PARK, NEW YARK, DELAWARE, 19714-6077. UNITED STATES OF AMERICA.

Inventors : (1) TERRY DENNIS CLAAR.
(2) VILUPANUR ALWAR RAVI.
(3) PHILIP JOSEPH ROACH.

Application No. 471/Cal/1991 filed on 20th June, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

28 Claims

A method for forming a self supporting composite body comprising :

reacting in the manner, such as herein described a vapour-phase parent metal, such as herein described with at least a portion of a solid oxidant-containing material such as herein described and continuing said reaction to form a reaction product on at least a portion of said solid oxidant-containing material.

Compl. Specn ; 56 pages: Drgns. : 26 Sheets.

Cl. : 68 E 3 177363

Int. Cl. : H 0 5 B 41/29.

"UNIVERSAL ELECTRONIC BALLAST SYSTEM".

Applicant : INTENT PATENTS AG. C/o TIMOTHY

EI 7, STOREY'S GATE WESTMINSTER, LONDON,

SW1P 3AT, UNITED KINGDOM

Inventors : DOUGLAS ARTHUR JOHNS.

Application No. 495/Cal/91 filed on 1st July, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972). Patent Office, Calcutta.

18 Claims

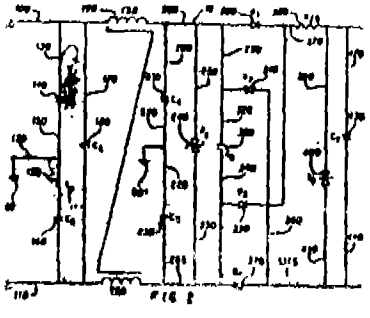
A universal electronic ballast system coupled to a power source for actuating at least one gas discharge lamp having any one of a plurality of predetermined wattage ratings said gas discharge lamp having a pair of heater filaments, characracterized by said ballast system comprising :

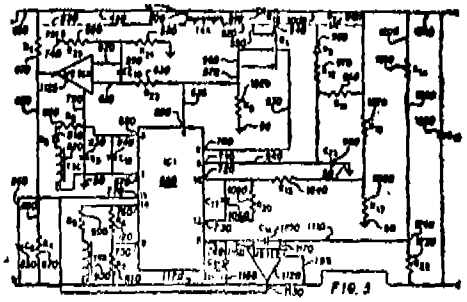
(a) a filter circuit coupled to said power source for substantially suppressing spurious signals from passing into or from said power source;

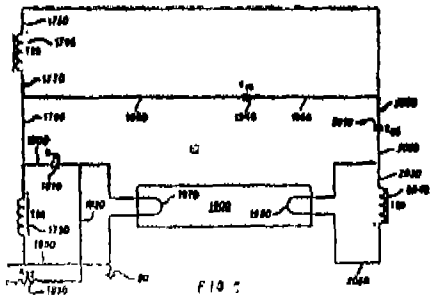
(b) a regulated power supply circuit coupled to said filter circuit for (1) maintaining a substantially constant sinusoidal load current from said power source, and (2) providing a regulated DC voltage output :

(c) a switching circuit coupled to said regulated output of said regulated power supply circuit for generating a re-pulated pulsating current at a predetermined frequency; and,

(d) an induction circuit coupled to said switching circuit for actuating said gas discharge lamp said induction circuit comprising an output transformer coupled to said gas discharge lamp, said induction circuit being coupled in feedback relationship to said switching circuit for terminating paid pulsating current responsive to said gas discharge lamp being electrically uncoupled from said output transformer.







Compl. Specn. : 48 pages; Drgns. : 4 Sheets.

Cl. : 50 Ex 177364

Int. Cl. : F16 J 15/32
F25 B 31/02.

"A SCROLL MACHINE HAVING AN IMPROVED SEAL."

Applicant : COPELAND CORPORATION, OF CAMP-BELL ROAD, SIDNEY, OHIO 45365-0669, U.S.A..

Inventors : (1) GARY JUSTIN ANDERSON,
(2) JAMES WILLIAM BUSH.

Application No. : 511/Cal/1991 filed on 4th July, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972). Patent Office, Calcutta.

41 Claims

A scroll machine having an improved seal comprising :

(a) a hermetic shell;

(b) an orbiting scroll member disposed in said shell and having a first spiral wrap on one face thereof;

(c) a non-orbiting scroll member disposed in said shell and having a second spiral wrap on one face thereof, said spiral wraps being intermeshed with one another;

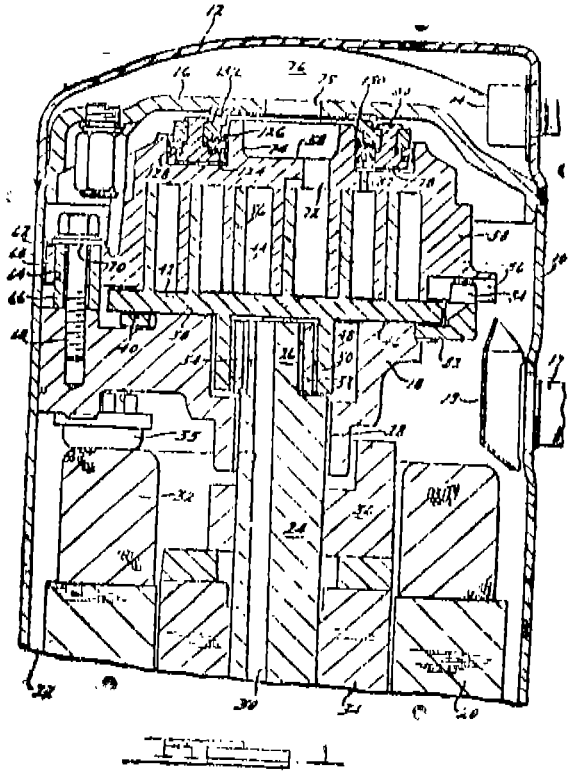
(d) a drive member for causing said orbiting scroll member to orbit about an axis with respect to said non-orbiting scroll member whereby said wraps will create pockets of progressively changing volume between a suction pressure zone and a discharge pressure zone;

(e) said non-orbiting scroll member defining a cavity disposed therein;

(f) a fluid path between said dicharge pressure zone and said suction pressure zone;

(g) said cavity being supplied with pressurized fluid ; and

(h) a sealing member disposed in said cavity to isolate said pressurized fluid in. said cavity from said fluid path and said discharge pressure zone.



Compl. Specn. ; 25 pages; Drgns : 6 Sheets.

Cl. : 187 F H 177365
206 I

lnt. C1.[4] : H 04 M 1/515.

"APPARATUS FOR VALIDATING AND INVOICING CREDIT CALL CHARGING WITHIN A MODULAR PUBLIC TELEPHONE NETWORK."

Applicant : TELEFONICA DE ESPANA. S.A., OF GRAN VIA, 28 28013 MADRID SPAIN.

Inventors : (1) FRANCISCO IBANEZ PALOMEQUE.
(2) JOSH MIR CEPRIA.

Application No. : 552/Cal/Wl filed on 22nd July, 1991.

appropriate Office for Opposition Proceedings (Rule 4. Patent Rule 1972), Patent Office, Calcutta.

5 Claims

Apparatus for validating and invoicing credit card call charging within a modular public tele-phones network including a plurality of modular public telephone validation and identification units, said apparatus comprising :

a network of a processing unit, and various databases of suitable communications output, operatively connected to the processing unit for a number of transactions, through a communication unit,

storing means for storing data representing a list of organisation identifiers (Bins) for credit cards of differing credit card organisations, a list of subset identifiers for subsets (Ranks) of credit cards of a credit card organisation, a black list of credit card identifiers tor individual credit cards that are not to be validated, and a grey list to control daily card expense and check that the highest maximum is not exceeded of individual credit cards that have calls charged against them that have yet to be invoiced to an associated credit card organisation, said storing means being connected to said processing unit,

validating means connected to said communication unit for validating a credit card call charging request from a modular public telephone validation and identification unit. said validating means having :

(i) means for comparing data within said request identifying a particular credit card organisation, with said list of organisation to detect if call charging request from said particular credit card organisation should be validated,

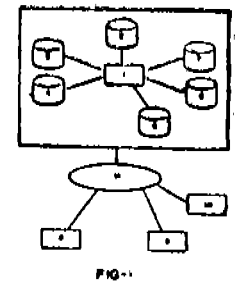
(ii) means for comparing date within said request identifying a particular subset of credit cards of said particular credit card organisation, with said list of subsets to detect if call charging request from said particular subset of credit cards should be validated.

(iii) means for comparing data within said request identifying a particular credit card, with said black list to detect if call charging requests from said particular credit card should be validated, and

(iv) means for validating call charging requests that have been detected in terms of its validity, including means for updating said grey list;

means connecting said processing and communication unit, to said modular public telephone validation and identification unit for communicating with said modular public telephone validation and identification unit to either permit validated call charging requests or prohibit invalidated call charging requests, and

means connected to said processing and communication units for compiling an invoice list of call charges resulting from permitted call charging requests included in said grey list in respect of each credit card organisation.



Compl. Specn. : 25 rupees; Drgns. ; 1 Sheet.

Int. Cl. : D 04 B 35/18

A DEVICE FOR THE DETECTION OF FAULTS IN A LENGTH OF TEXTILE FABRICS.

Applicant: MEMMINGER-IRO GMBH, OF JAKOB-MUTZZ-STRASSE 7. D-7295 DORNSTETTEN /DE FEDERAL REPUBLIC OF GERMANY.

Inventors: (1) KARL-HEINZ MUEHLBERG (2) FRIEDRICH WEBER.

Application No. 711 Cal/1991 filed on 20th September, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Parent Office. Calcutta.

13 Claims

A device for the detection of faults in a length of textile fabric (5), especially in a tubular knitted fabric produced on a circular knitting machine comprising :

sensing means (8) for scanning the length of fabric in at least one zone of strip form in an electro-optical manner, with a relative movement of predetermined speed being maintained between the length of fabric and the sensing

means in a direction transverse to the strip-form zone during sensing, said sensing means scanning preferably a number of time the zones being scanned in the length fabric, which sensing means are adapted to emit, at a number of sensing points lying within the strip-form zone (22), electrical sensing signals for characterising the condition of the length of fabric ;

electrical circuitry (34). for analysing said sensing signals for the purpose of the identification of faults in the length of fabric in such a way that a distinction is made between different forms and/or different sizes of types of faults and for producing for types of faults, detected in this way, separate output signals ; and

display (41) and/or control (43) and /or switching (54) devices adapted to be energised by said output signals,

a signal procesing circuitry (21) is provided for collecting the sensing signals characterising the individual sensing points into at least two group-specific fault signals,

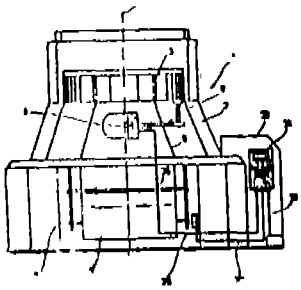
the signal analysing circuitry (34, 46, 47, 48, 49) is adapted to process and to analyse the fault signals separately by amplitude, term or duration and by non-repeating occurrence of fault signals of the separate groups, and

said signal analysing circuitry is further adapted to establish from said fault signal analysis the identification of faults according to the following criteria :

(a) the fault is identified as a spot fault if in the case of at least one fault signal varying in amplitude from a prescribed first amplitude threshold value, its signal term exceeds a prescribed first time threshold value by at least a prescribed longer period of time, without a number of faults signals occurring together within a measuring period,

(b) the fault is identified as a long fault if in the case of at least two fault signals varying in amplitude from a prescribed second amplitude threshold value, its signal exceeds a prescribed second time threshold value by at lease a prescribed shorter period of time and at least two fault signals occur together within a measuring period, and otherwise.

(c) no fault is identified.



Compl. Specn. 25 pages Drgns. 9 sheets

Cl. : 130 F 177367

Int. Cl. : C 22 B 15/00

APPARATUS FOR CONTINUOUS SMELTING OP COPPER.

Applicant : MITSUBISHI MATERIALS CORPORATION, OF 6-1, OTEMACHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors: (1) MOTO GOTO (2) KIKUMOTO NOBUO (3) OSAMU IIDA (4) HIROAKI IKOMA (5) SHIGEMITSU FUKUSHIMA.

Application No. 860/Cal/199l filed on 18th November. 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta,

3—407 GI/96

8 Claims

An apparatus for continuous smelting of copper, comprising :

a smelting furnace for melting and oxidizing copper concentrate to produce a mixture of matte and slag :

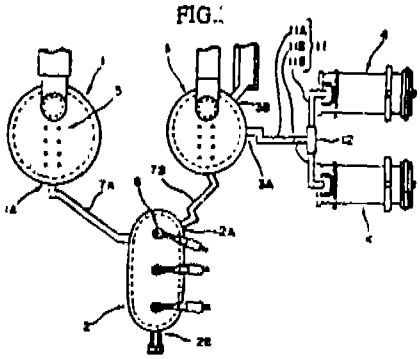
a separating furnace for separating the matte from the slag :

a converting furnace fur oxidizing the made separated from the slag to produce blister copper ; and

melt launder means for connecting said smelting furnace, said separating furnace and said converting furnace in series ;

a plurality of refining furnaces for refining said blister copper; and blister copper launder means connecting said converting furnace to said refining furnaces.

FIG.:



Compl. Specn. 25 pages Drgns. 14 sheets

Cl. : 33 E 177368

Int. Cl. : B 28 B 1/24

A COMPRESSED AIR BLOWING APPARATUS FOR USE IN GREEN SAND MOLD MOLDING FACILITY.

Applicant : SINTOKOGIO LTD., OF TOYOTA BLDG., 7-23, MEIEKI-4-CHOME. NAKAMURA-KU, NAGOYA, JAPAN.

Inventor: UK1CH1 OISHI.

Application No. 915/Cal/1991 filed on 10th December, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 197?) Patent Office, Calcutta.

5 Claims

A compressed air blowing apparatus for use in green sand mold molding facility comprising;

a frame having an air outlet port for supplying compressed air into - a flask ;

a cylindrical sectioning device disposed on said frame having in an end portion thereof, an air feed hole communicated with said air outlet port and having in another end portion thereof, an opening communicated with said air feed hole;

a cylinder disposed on said frame to surround said sectioning device ;

a piston capable of sliding in said cylinder:

a first compressed air supply device having a compressed air reservoir tank for supplying compressed air to a first chamber which is formed on one side of said piston in said cylinder and in which said sectioning device is disposed;

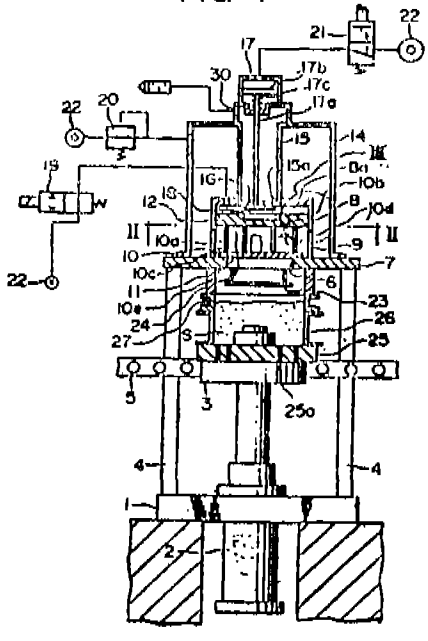
a second compressed air supply device for urging said piston to hermetically close said opening by supplying compressed air to second chamber formed on the other side of said piston in said cylinder;

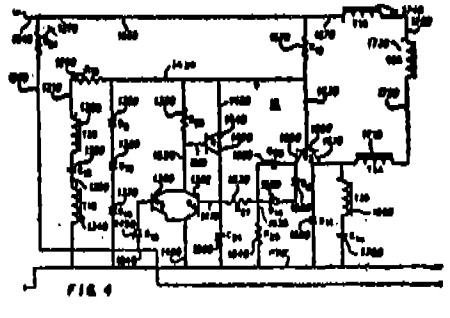
at least one exhaust hole for communicating said second chamber with the outside; and

a valve for opening/closing said exhaust hole whereby, when said valve opens said exhaust hole, said piston pushed by compressed air supplied from said first compressed ail-supply device slides to open said opening and thereby compressed air supplied from said first compressed air supply device is introduced into said sectioning device through said opening before it is blown into said flask through said outlet port, characterised by

a cylindrical member, an end portion of which defined said opening and which is provided in said section device wherein said cylindrical member has a plurality of passage as herein described formed thereon for blowing condensed air towards said flask.

FIG. 1





Compl. Specn. 21 pages Drgns. 4 sheets

Cl. : 32 D+55E 177369

Int. Cl. : C 07 F 15/00

A 61 K 31/28.

"PROCESS FOR PREPARING DIHALOGENODIAMINE PLATINUM (II) COMPLEX COMPOUND HAVING ANTI TUMOR ACTIVITY".

Applicant : SUNKYONG INDUSTRIES LTD. OF 600 JUNGJA-DONG, CHANGAN-KU, SUWON, KYUNGKI-DO 440-745, SOUTH KOREA.

Inventor : KIM DAE-KEE.

Application No. 181/Cal/1994 filed on 21st March 1991.

(Divided out of Appln. No. 131/Cal/92 Antidated to 27-02-92).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office Calcutta.

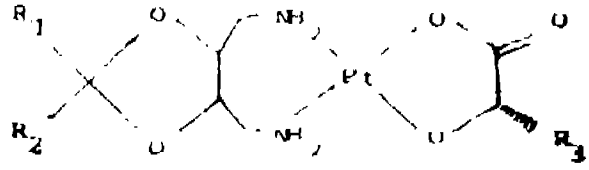
8 Claims

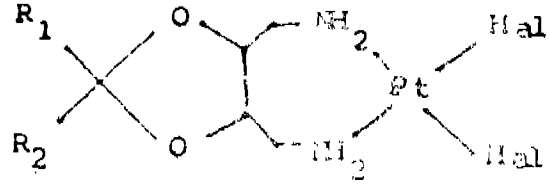
A process far preparing a platinum (II) complex compound of the formula (1), having antitumor activity, which comprises :

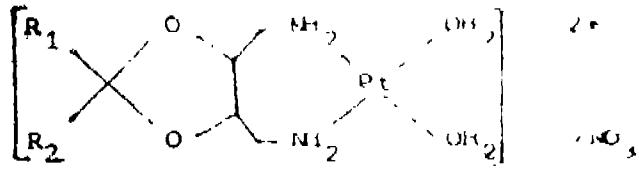
reacting a dihalogenodiamine platinum (II) complex of the formula (2) with an aqueous solution of silver nitrate in the molar ratio of 1 : 1.8 to 1 : 2.2 to obtain an aqueous solution of a dia-quacomplex of the formula (.1);

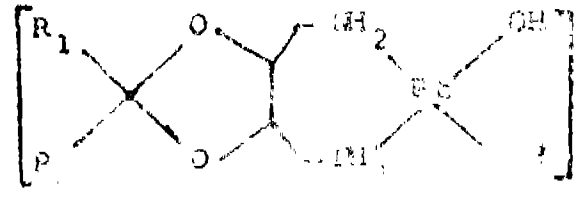
converting said aqueous solution of said diaquacomplex of the formula (3) to an aqueous solution of a compound at the formula (4) by passing said diaquacomplex solution through an anionexchange resin; and

reating said compound of the formula (4) in aqueous solution with an acid and its salt having the formula of (L) Rs CHOHCOOH and (L)-R_3 CHOHCOONa, in the molar ration of 1 : 1 : 1 to 1 : 5 : 5









Wherein :

R^1 and R^2, which may be the same or different, are a hydrogen atom or a Cl-4 alkyl group, respectively, or jointly form a cycloalkane group together with the carbon atom attached thereto ;

R, is a hydrogen atom or a methyl group :

the absolute configurations at the respective chiral centers in the 4. 5-bis (aminomethyl)-l, 3-dioxolane moiety are (4R, 5R) or (4S, 5S) ; and hal is a halogenatom.

Compl. Specn. JOS pages Drgns. Nil

Cl. 55F 177370

Int. Cl. : A 61 K 31/24

IMPROVED PROCESS FOR PREPARING ACYL AMIN--OPHENOLS.

Applicant : HOECHST CELANESE CORPORATION, OH ROUTE 202-206 NORTH, SOMERVI LLE, NEW JERSEY : U.S.A.

Inventors : (1) JAMES ALLEN FOSTER (2) WERNER HEINR1CH MUELLER (3) DEBRA ANN RYAN (4) HARTMUT WEIZER.

Application No. 316/Cal/94 filed on 29th April, 1994.

Appropriate Office for Opposition Proceedings (Rule 4. Patent Rule, 1972) Patent Office, Calcutta.

18 Claims

A pieces for producing N-acylaminophenols comprising :

continuously adding a notrophenol, an acyl anhydride such as herein described and hydrogen to a continuous stirred tank reactor maintained at a temperature of from 50 to 175°C where said acyl anhydride is added at a molar rate ranging from an equal amount to a 20% excess relative to said notrophenol ;

concurrently hydrogenating the nitrophenol under a hydrogen pressure of from 1 atmosphere to 100 atmospheres to an aminophenol in the presence of a hydrogenation catalyst such as herein described and acylating the aminophenol in said reactor to form an N-acylaminophenol product, and

continuously withdrawing said product from said reactor.

Compl. Specn. .12 pages Drgns. Nil

Cl. : 85 1. 177371

Inf. Cl. : F 23 G 7/00

AN INCINERATOR SYSTEM

Applicant : JOHN NICHOLAS BASIC, OF BASIC TECHNOLOGY CO. 21W161 HILL STREET, GLEN ELLYN ILLINOIS 60137 UNITED STATES OF AMERICA.

Inventor: JOHN NICHOLAS BASIC.

Application No. 884/Cal/1990 filed on 17th October, 990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

5 Claims

An incinerator system for bulk refuse and hydrocarbon containing liquids having :

(i) a main combustion chamber with :

(a) a first inlet opening for the introduction of solid bulk refuse ; and

(b) a first outlet opening for the egress of the gaseous products of combustion from said main chamber; and

(ii) a reburn unit with :

(a) a second inlet opening, coupled to and in fluid communication with said first outlet opening ;

(b) a second outlet opening for the egress of the gaseous product of combustion from said reburn unit ;

(c) burner means, coupled to said reburn unit, for burning a fuel in said reburn unit; and

(d) oxygenating means, coupled to said rebum unit, for introducing an oxygen-containing gas into said reburn unit, characterised in that the

(A) said rebun unit includes first and second separate reburn sections;

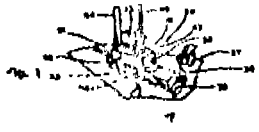
(B) said first outlet opening has first and second outlet ports each for permiting the egres of the gaseous products of combustion from said main combustion chamber:

(C) said second inlet opening has first and second inlet ports, coupled to and in fluid communication with respectively, said first and second outlet ports, said first and second inlet ports opening into said first and second reburn sections, respectively;

(D) said second outlet opening includes third and fourth outlet ports from said first and second reburn sections, respectively ;

(E) said burner means includes first and second burner sections, coupled to said first and second reburn sections, respectively for burning a fuel in said first and second reburn sections respectively, and

(F) said oxygenating means includes first and second oxygenating sections, coupled to said first and second reburn sections, coupled to said first and second reburn sections, respectively, for introducing an oxygen-containing gas into said first and second reburn sections, respectively.



Compl. Specn. 44 pages Drgns. 11 sheets

Cl. : 126 D 177372

Int. Cl. : G 01 R 31/00

AN APPARATUS FOR MAKING PROPER DIAGNOSIS ON THE STATUS OR CAUSE OF ANY ABNORMAL EVENT IN THE POWER PLANT.

Applicant: HITACHI, LTD., OF 6, KANDA SURUGADAI 4-CHOME, CHIYODA-KU, TOKYO, JAPAN,

Inventors: (1) YOSHIHIKO IMURA (2) AKIRA KAJI (3) TAKEKAZU MARUYAMA.

Application No. 64/Cal/91 filed on 22nd January, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

6 Claims

An apparatus for making proper detection on the status or cause of any abnormal event in the power plant comprising :

(a) a plant database (31) in which various kinds of signals from processing information (2) is stored;

(b) a knowledge base (32) in which knowledge comprising a fault tree (101) to be inferred is stored ;

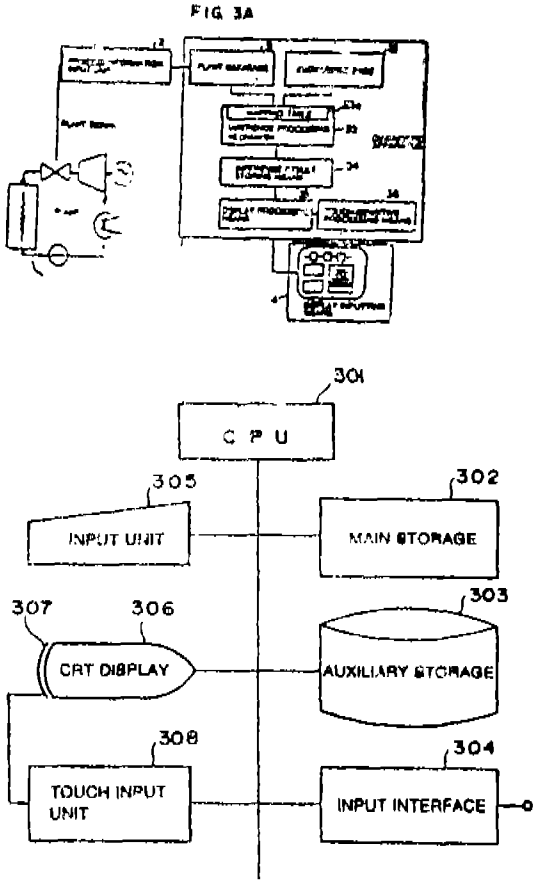
(c) an inference processing means/mechanism (33) for making an inference comprising a monitoring for diagnosis and retrieving the fault tree by said database and knowledge base;

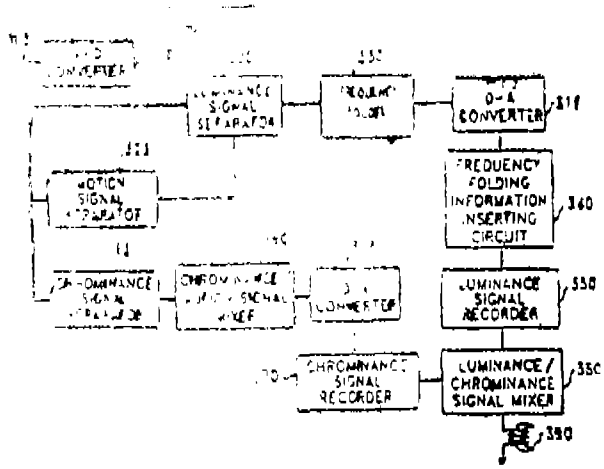
(d) an inference result storing means (34) for storing the result of an inference :

(e) a display processing means (35) for displaying the result of said inference on a display screen/window (102) of a display (306) ;

(f) a main storage (302) provided for storing the data of said plant database (31) the knowledge base (32).

FIG 3A





Compl. Specn. 35 pages Drgns ; 17 Sheets

Cl. : 206 E 177373

Int. Cl. : H 04 N 9/79

A FREQUENCY FOLDING INFORMATION INSERTING CIRCUIT.

Applicant : SAMSUNG ELECTRONICS CO., LT., OF 416 MAETAN-DONG, KWONSUN-KU, SUWON, KYUNGGI-DO, REPUBLIC OF KOREA.

Inventors : YONG-JE-KIM.

Application No. 732/CaI/1991 filed on 27th September, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule. 1972) Patent Office, Calcutta.

5 Claims

A frequency folding information inserting circuit in a video recording apparatus for folding a high frequency video signal and recording the folded video signal having a full bandwidth on a recording medium having a limited bundwidth, said circuit comprising :

a synchronous signal separator for separating a horizontal synchronous signal and a vertical synchronous signal from said folded video signal including synchronous signals having a scanning period ;

a standard clock generator for generating a standard clock pulse train having a frequency which is a predetermined number of timer higher than that of the horizontal synchronous signal ;

an even/odd number filed detector, such as herein described, for detecting whether said folded video signal is of an even number field or an odd number filed by counting the scanning period of the horizontal synchronous signal according to said standard clock pulse train and generating an even/odd number field detector signal of different logic states according to the detected result ;

a frequency folding information generator for responding to said even/odd number field detector signal to generate frequency folding information representing the frequency folding state of said folded video signal ;

an adder for adding the folded video signal to said frequency folding information ; and

a position setter connected between said frequency folding information generator and said adder for setting a scanning line according to the count of the number of horizontal synchronous signals and determining a position of insertion of said frequency folding information on the scanning line by counting said standard clock pulse train for inserting said frequency folding information between one vertical synchronous signal and the next vertical cynchronous signal.

Compl. Specn. 23 pages. Drgns. 4 Sheets

Cl. : 176 C 177374

Int. Cl. : F 22 D 11/00
F 22 G 1/02

A STEAM GENERATOR.

Applicant: SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000 MUNCHEN 2, WEST GERMANY.

inventors: (1) EBERHARD WITTCHOW (2) DR. JOACHIM FRANKE (3) WOLFGANG VOLLMER.

Application No. 116/Cal/1991 filed on 7th February 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

22 Claims

A steam generator, comprising :

a gas flue having burners for fossil fuel,, a gas-tight tube wall with tubes, an inlet header and an outlet header connected to said tubes, said outlet header being at a higher local level than said inlet header, and a down pipe outside said tube wall connecting said outlet header to said inlet header so as to permit flowing of a fluid between said outlet header and said inlet header:

a steam line connected to said outlet header, at least one heating, surface connected downstream of said outlet header in said steam line, so as to permit flowing of a fluid from said outlet header to said reheating surface ;

a feeder line connected to said gas flue, an economizer " connected upstream of said gas flue in said feedwater line, so as to permit flowing of a fluid from said economizer to

said gas flue characterized in that, a regulating device is provided for influencing feedwater flow in said feedwater line, said regulating device comprising means for detecting at least one of the following variables;

(a) steam enthalpy in one of said heating surface and said steam line downstream of said heating surface,

(b) steam temperature in one of said heating surface and said steam line downstream of said heating surface,

(c) thermal output transfer to one of said tubes of said gas tight tube wall.

(d) a ratio of feedwater flow in said feedwater line to steam flow in said steam line,

(e) a ratio of injection water flow into an injection cooler connected in the steam line to feedwater flow in said feedwater line, and

(f) residual moisture of steam in said steam line.

Compl. Specn. 42 pages Drgns. 10 sheets

Cl. : 63 A 177375

Int. Cl. : H 02 P 8/00

IMPROVED ELECTRIC CELLING FAN.

Applicant: KHAITAN (INDIA) LIMITED. OF 46 C, J. L. NEHRU ROAD. CALCUTTA-700 071, WEST GENGAL, INDIA.

Inventor: SHREE KRISHAN KHAITAN.

Application No. 006/Cal/ 1992 filed on 3rd January, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule. 1972) Patent Office, Calcutta.

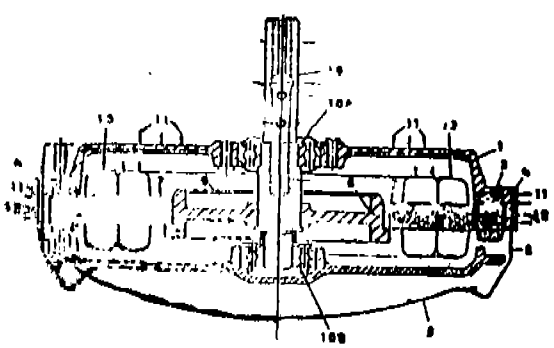
6 Claims

An improved electric ceiling fan, the motor body whereof is constituted by a top cover and a bottom cover for enclosing the rotor and stator of the fan motor, characterised in that the rotor ring of said rotor is integrally provided within said top cover;

that said top cover is provided with ribs/fins around the outer circumference thereof, said ribs/tins being disposed perpendicularly to the circumference of the top cover;

that the central portion of the lamination of the said stator is removed to accommodate therewithin a cast iron hub having the spindle of the fun motor securely provided at the centre of the said hub :

and that the number of poles in the motor is increased upto 18, depending on the size of the fan.



Compl. Specn. 13 pages Drgns. 3 sheets

Cl. : 40 B 39 C 177376

Int. Cl. : B 01 J 35/06
C 01 B 21/26

A PROCESS FOR THE PRODUCTION OF A CATALYST IN THE FORM OF GAS-PERMEABLE NETS OF NOBEL METALS.

Applicant : DEGUSSA AKTIENGESELLSCHAFT, OF 6000 FRANKFURT AM MAIN, WEISSFRAUENSTRASSE 9, FEDERAL REPUBLIC OF GERMANY.

Inventors: (1) HORST DUBLER (2) SIEGFRIED BLASS (3) THOMAS STOLL.

Application No. 043/Cal/1992 filed on 24th January, 1992.

Appropriate Office for Opposition Proceedings (Rule 4. Patent Rule, 1972) Patent Office, Calcutta.

2 Claims

A process for the production of a catalyst in the form of gas-permeable nets of noble metals for catalytic processes for the catalytic oxidation of ammonia or for recovery o the platinum metals which volatilize in the catalytic oxida tion of ammonia by knitting of wires of platinum or palladium alloys on knitting machines, characterized in that wires of alloys selected from platinum/rhodium containing A to 12% by weight rhodium and palladium/nickel containing 2 to 6% by weight nickel which must have a diameter of 50 to 120/um, a tensile strength Rm of 900 to 1050 N/mm2 and an elastic limit A of 0.5 to 1% and flat knitting machines having a gauge (number of needles per inch) of 7 to 14 and sinking depth (loop length) of 2 to 6 mm are rised in knitting.

Compl. Specn. 6 pages Drgns. Nil

Cl. : 128 F 17737

Int. Cl.[4]: A 61 M 3/00

NONREUSABLE SYRINGE.

Applicant: THOMAS JEFFERSON SHAW, OF 1510 HILLCREST LITTLE ELM TEXAS 75068, UNITED. STATES OF AMERICA.

Inventor : THOMAS J SHAW.

Application No. I86/Cal/1992 filed on 20th March, 1992

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rule, 1972) Patent Office, Calcutta.

26 Claims

A non-reusable syringe having a retractable needle for injecting fluid into a body comprising :

(a) a hollow tubular body member providing a cavity for the fluid, having on open end for insertion of a plunger;

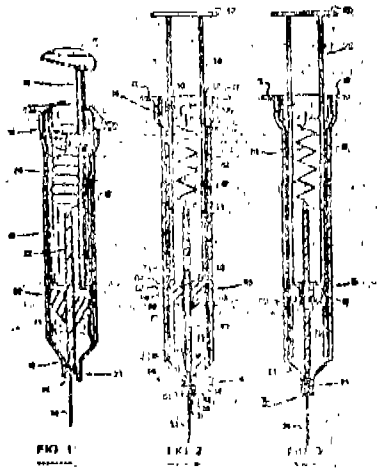
(b) a plunger disposed partially within the tubular body member and, having piston means in sludable sealed contact with the inner walls of the tubular body member, to form a chamber for fluid;

(c) needle means in the fluid chamber in sealed contact with one end of the tubular body member and having a needle extending therethrough to inject the fluid ;

(d) resilient means disposed behind the piston means, the needle means being biased by the resilient means to retract into the tubular body member;

(e) locking means to look the needle means in place in the tubular body members with the needle means extended for use; and

(f) release means to automatically disengage the locking means and thereby enable retraction of the needle upon actuation of said plunger to complete an injection.



Compl. Specn. 28 pages Drgns, 5 sheets

Cl. :. 85 K&J 177378

Int. Cl. : B 01 J 8/00, 8/08, 8 06, 8/18, 8/24, 8/44.
B 01 D 47/00

COMBUSTION UNIT FOR EFFECTING A CIRCULATING MASS PROCESS.

Applicant: TAMPELLA POWER OY, OF LAPINTIE I, SF-33100 TAMPERE, FINLAND

Inventors : PASI SALONEN.

Application No. 204/Cal/1992 filed on 27the March, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent, Qffice, Calcutta.

14 Claims

Combustion unit, for effecting a circulating mass process comprising a reactor chamber (R). whose lower parts is, for formation of a fluidized bed. flitted with a grate structure (10) and having means for feeding solid fuel above the grate structure and air blow nozzle system (16) for feeding air above the grate structure (10), into the fluidized bed ; at least one particle separator (4J with an inner and outer jacket lubes (5, 6) for purifying the combustion gas containing solid material, formed in the fludidized bed, from said solid material; a return duct (6a) for returning the solid Material particularly to the fluidized bed ; as well as gas lock structure (K.L) connected with the return duct (6a) to form an extension thereof to prevent the gas flow from the grate structure (10) to the particle separator (4) that tends to occur under certain process conditions; characterized in that the said gas lock structure (KL) comprises a combination formed by

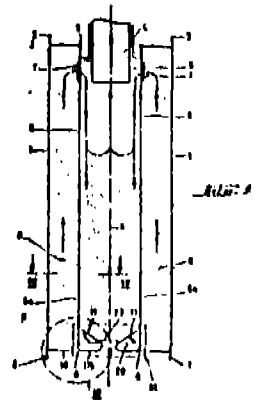
a closed bottom structure or the like (14) ;

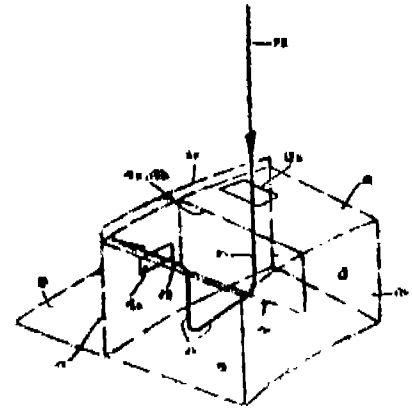
a cover structure or the linke (11) placed above the bottom structure or the like (14) and equipped ,with an open area or the like (12);

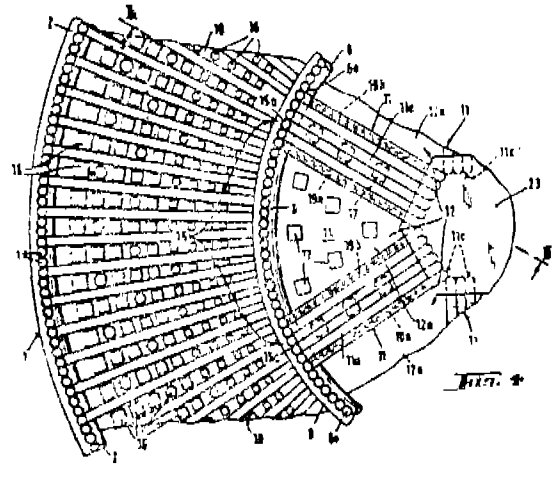
an interspace or the like (13) formed between the bottom structure or the like (14) and the cover structure or the like (11) : and

an open area or the like (15) placed in the wall of the return duct (6a) between the bottom structure or the like (14) and the cover structure or the like (11) as seen in vertical direction and connected with the interspace or the like (13),

whereby the solid material is arranged to move from the return duct (6a) through the open area or the like (12) of the cover structure or the like (11) to the interspace or the like (13) and to exit from the interspace or the like (13) to the fluidized bed above the grate structure (10) through the open area or the like (15) of the return duct (6a),







Compl. Specn. 19 pages Drgns. 4 sheets

Cl. : 172 D 3 4 7 8 . 177379

In. Cl. : D 01 H 1/14

A MACHINE FRAME FOR A RING SPINNING OR RING TWISTING MACHINE.

Applicant : SPINDELFABRIK SUSSEN SCHURR, TAHLECKER & GRILL GMBH., OF DAMMSTRABE 1, 7334 SUSSEN, FRG.

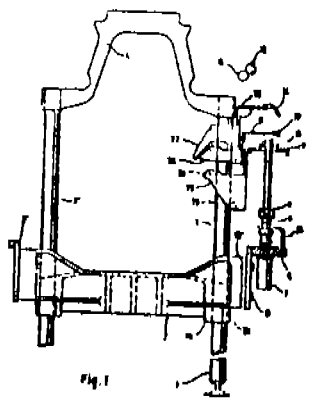
Inventors : HORST BURGERMEISTER.

Application No. 206/Cnl/1992 filed on 30th March, 1992.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

14 Claims

A machine frame for a ring spinning or ring twisting machine for the holding of stationary spindle rails arranged on each side of the machine, of ring rails that can be moved up and down and of yarn guide rails that can also be moved up and down, having several vertical columns which arc arranged on both sides of the machine, are situated opposite one another in pairs and are at least partially connected with one another by means of intermediate pieces which hold the spindle rails and extend transversely to the longitudinal direction of the machine, the vertical columns being used as a girding element for vertically movable holders for the ring rails and for vertically movable holders for the yarn guide rails, characterised in that the holders 25, 27 of each side of the machine are independently arranged on the vertical columns 3, 3' and the intermediate pieces 2 are provided with recesses 19 for receiving the holders 25 for the ring rail 9.



Compl. Specn. : 17 pages. Drgns. : 4 sheets.

Cl : 33D. 177380

Int. Cl.[4] : B 22 D 41/08.

REFRACTORY VILVE PLATE FOR A SLIDING GATE VALVE AT THE OUTLET OF A VESSEL CONTAINING A METAL MELT.

Applicant : STOPINC AKTIENGESELLSCHAFT, OF ZUGERSTRASSE 76A CH—6340 BAAR, SWITZERLAND.

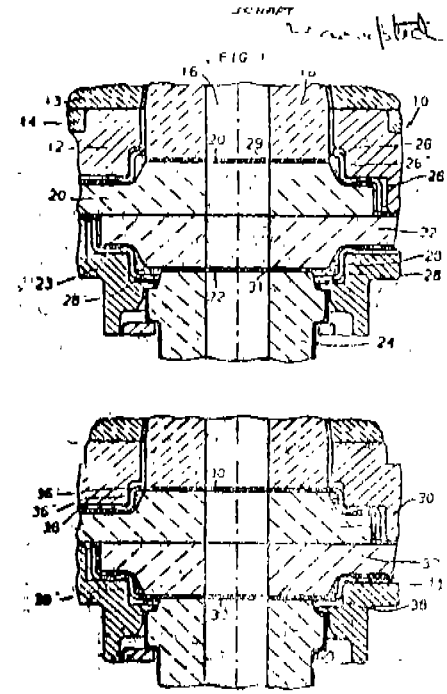
Inventors : WALTER TOALDO.

Application No. 399/Cal/92 filed on 3rd June, 1992.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

11 Claims

Refractory valve plate for a sliding gate valve at the outlet of a vessel containing a metal melt comprising a refractory plate which has a flow opening and a sliding surface and a sheet metal casing surrounding the plate, characterised in that the sheet metal casing (26, 28, 36, 38 46. 48, 56, 58) has a collar (26', 28'. 36'. 38'. 46', 48', 56', 58') which projects beyond a fixed refractory plate (20, 30, 40, 50) and or a slidable refractory plate (22, 32, 42, 52), said, fixed refractory plate having a sliding surface cooperating with the slidable plate said collar projecting on the side directed away from the sliding surface and surrounds the flow opening (16)



Compl. Specn. : 11 pages. Drgns, : 2 sheets.

Ind. Class. : 164 C, 201 C. 177381

Int. Cl.[4] : C 02 F 1/00.

METHOD OF TREATING WASTEWATER SLUDGE TO PRODUCE FERTILIZER.

Applicant : N-VIRO ENERGY SYSTEMS LTD., SUITE 250, 3450 WEST CENTRAL AVENUE, TOLEDO, OHIO 43606, A LIMITED PARTNERSHIP OF THE STATE OF OHIO. U.S.A.

Inventor : JOHN PATRICK NICHOLSON, JEFFREY C. BURNHAM.

Application No. 80/CAL/89 filed January 25, 1989.

Convention No. 12335/88 of 26-2-1988 in Australia.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

18 Claims

A method of treating wastewater sludge to produce fertilizer for agricultural lands which can be applied directly to the lands which consists essentially of the following steps :

Mixing said sludge with at least one material selected from the group consisting of time, cement kiln dust and time dust to form a mixture.

Wherein the amount of added material mixed with said sludge being sufficient to raise the pH of said mixture to at least 12 for at least one day:

and driving said mixture in a manner such as hereinbefore described to produce a granular material.

The amount of added material mixed with said sludge and the length of time of drving being sufficient to reduce significantly offensive odor of the sludge to a level that it tolerable; to reduce animal viruses therein to less than one plaque

forming unit per 100 ml of said sludge; to reduce phathogenic bacteria therein to less than three colony forming unite per 100 ml of said sludge to reduce parasites therein to less than one viable egg per 100 ml of said sludge; to reduce vector attraction to said sludge; and to prevent significant regrowth of the pathogenic microorganisms.

(Com.—50 Pages. Drawings—5 sheet)

Ind. Class, : 6 A 50 E 177382

Int. Cl. : F 25 B 1/00

REFRIGERANT COMPRESSOR.

Applicant : MACROSONIX CORPORATION, A CORPORATION INCORPORATED IN THE STATE OF VIRGINIA, UNITED STATES OB AMERICA, OF 1054, TECHNOLOGY PARK DRIVE, GLEN-ALLEN; VIRGINIA 23060, UNITED STATES OF AMERICA.

Inventor : TIMOTHY SWAIN LUCAS, U.S.A.

Application No. 217/CAL/91 filed March 03, 1991.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta;

25 Claims

A refrigerant compressor comprising a standing wave compressor which receives, acoustically compresses, and discharges a refrigerant, said standing wave compressor including an acoustic chamber (2) having at least first and second different cross sectional areas at least first and second positions, respectively, along said acoustle chamber, and a driver to establish a travelling wave in the refrigerent.

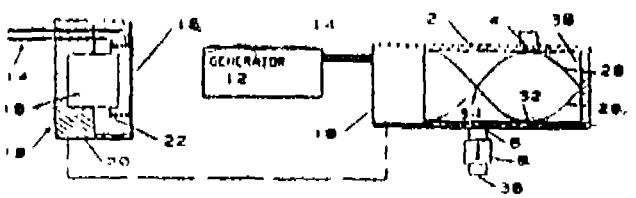


FIG 1

(Com. : 66 Pages. Drawing : 13 sheet)

Ind. Class : 173 A. B. 17.73*3

Int. Cl. : B05 B 9/04.

A DEVICE FOR PRODUCING A METERED AMOUNT OF LIQUID AS A SPRAY OF DROPLETS AND A METERED DOSE INHALER COMPRISING SAID DEVICE,

Applicant : DMW TECHNOLOGY-LIMIIED, FOR MERLY KNOWN AS DUNNE MILLER WESTON LIMITED, A U.K. COMPANY OF 14, WILFORD BRIDGE SPUR, MELTON, WOODBRIDGE SUFFOLK, IP12 1RJ, ENGLAND.

Inventor : STEPHEN TERENCE DUNNE, ENGLAND. TERENCE EDWARD WESTON, ENGLAND.

Application No. 232/CAL/91 filed March to, 1991.

Convention No. 900634.5 of 21-3-1990 in U.K. and No. 9023767.8 of 1-11-1990 in U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

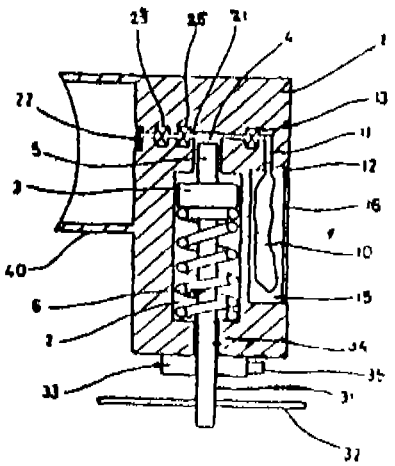
12 Claims

A device for producing a metered amount of a liquid as a spray of droplets comprising :

a dispensing chamber connected both to an atomiser head and to an inlet passage, said inlet- passage having a non-return inlet valve and being connected to a liquid reservoir when the device is in use and the chamber having a movable wall provided by a piston;

a spring acting on the piston to force it into said chamber to raise the pressure therein to a pressure of at least 50 bar; and

a manually releasable latch connected to the piston for holding it in a predetermined position with the spring compressed and for releasing said latch and said piston to discharge the metered amount of liquid through the atomising head, said atomising head being provided with an outlet aperture having a hydraulic diameter as herein defined, of 100 micrometres or less.



(Com. : 33 pages; Drawings ; 7 sheet)

Ind. Cl.: 62 B 177384

Int. C1.4: D 06 P 7/00.

POLYAMIDE DYEING PROCESS UTILIZING CONTROLLED DYE ADDITION.

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY, MANUFACTURERS OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA.

Inventor: WINFRIED THOMAS HOLFELD AND DALE EMMETT MANCUSO.

Application No. 842/CAL/1991 filed November 8th 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

A process for dyeing a fibrous article containing fibers of a polyamide polymer with at least one anionic dye comprising:

immersing said article in a dyeing bath of a liquified" solvent for said anionic dye ;

heating said liquid solvent and said article in said dyeing bath to a temperature at least equal to the dyeing transition temperature of said fiber of polyamide polymer;

adding, said anionic dye to said dyeing bath as a miscible liquid concentrate at a controlled dye addition rate during a dye addition period, at least 33% of said dye being added while said solvent and said article are a temperature at least equal to said dyeing transition temperature as herein described; and

stirring said bath during said dye addition period and while said solvent and said article are at a temperature at least equal to said dyeing transition temperature to mix said dye concentrate with said solvent in said bath to form a dilute dye solution and to provide a flow of said dilute dye solution relative to said article to cause said dye to be transported to

said article, said stirring further providing, on the average, essentially uniform dye transport of said anionic dye to said article;

said dye addition about 0.0005 to about 0.56% dye/minute based on the weight of said article.

(Com. 66 pages; Drwg. 15 sheet)

Ind. Cl.: 48 A 4 177385

Int. Cl.[4] : G 0 2 B 6/44, H 01 B 11/22.

TIGHT BUFFERED FIBER OPTIC GROUNDWIRE CABLE.

Applicant: 1. JACK BOTTOMS, JR. A. U.S. CITIZEN, OF 12090, LONSDALE LANE, ROSWELL, GEORGIE 30075, UNITED STATES OF AMERICA ; 2. CHARLES L. CARTER, A. U.S. CITIZEN OF 350 SINGLETREE TRACE. ALPHARETTA, GEORGIA 30201, UNITED STATES OF AMERICA.

Inventor: JACK BOTTOMS, CHARLES L. CARTER.

Application No. 086/CAL/1992 filed February 6, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

23 Claims

A fiber optic groundwise comprising;

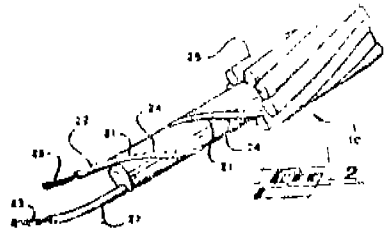
a central cure including at least one helical channel along the length of said core;

Characterised in that an optical fiber subunit within said channel, said optical fiber subunit comprising;

at least one strain jacket firmly affixed within said channel; and such that the strain jacket is positioned completed with said channel;

a plurality of optical fibers tightly bound within each said at least one strain jacket; said optical fibers being optionally precoated with a coating as herein described :

at least one layer of stranded strength members wound about said cove.



(Com. 30 pages: Drwg. 4 sheet)

Ind. Cl.: 163 B 3. 101 F 177386

Int. Cl.[4] F 15 B 11/00.

CONTROL SYSTEM FOR HYDRAULIC PUMP.

Applicant: HITACHI CONSTRUCTION MACHINERY CO. LTD., A CORPORATION ORGANIZED UNDER THE LAWS OF JAPAN, OF 6-2, OHTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventor:

1. HIROSHI WATANABE.
2. YASUO TANAKA.
3. EIKI IZUMI.
4. HIROSHI ONOUE ; AND
5. SHIGETAKA NAKAMURA.

Application No. I24/CAL/92 filed February 24, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patenus Rules, 1972), Patent Office, Calcutta.

10 Claims

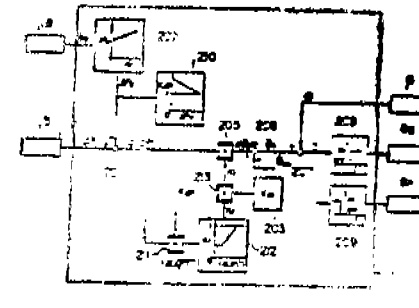
I. A control system for a hydraulic pump in a hydraulic drive circuit or load sensing control type comprising at least one hydraulic pump (1) or displacement volume type, at least one hydraulic actuator (2) driven by a hydraulic fluid delivered from said hydraulic pump, and a now control valve (3) connected between said hydraulic pump and said actuator for controlling a how rate of the hydraulic fluid supplied to said actuator, said control system for the hydraulic pump comprises a differential pressure sensor (5) for detecting a differential pressure between a delivery pressure of said Hydraulic pump (1) and a load pressure of said actuator, a position controller (8) for actuating a displacement varying mechanism (1a) of said hydraulic pump, a control unit (7) lor controlling the position controller based on said differential Pressure delected by said differential pressure sensor, and an external signal generating device (18; 401; 402) said control unit (7) having subtracting means (201) for calculating a differential pressure deviation between said differential pressure deseeded by the sensor (5) and target differential pressure, target displacement volume calculating means (202, 203 210-213, 205, 206) for calculating a target displacement volume based on said differential pressure deviation and output means (207. 208, 209) for controlling said position controller (8) based on said target displacement volume thereby to control the displacement volume of said hydraulic pump (1) to hold said differential pressure between the delivery pressure and the load pressure at said target differential pressure, said control system characterized in that said target displacement volume calculating means of the control unit (7) comprises :

(a) first means (202, 400; 400 comprising 403, 404, 405, 406, 407) having said target differential pressure set as a variable value depending on a signal generating by said external signal generating device (18; 401, 402)

(b) second means (203, 210-213) for determining a control factor that becomes larger as said differential pressure deviation calculated from said target differential pressure as a variable value is increased, and becomes smaller at said differential pressure deviation is decreed, and also that becomes large at a relatively small value of said differential pressure deviation when said target differential pressure is small; and

(c) third means (205, 206) for determining said target displacement volume based on said differential pressure deviation calculated from said target differential pressure as a variable value and said control facto).

FIG. 11



(Com, 57 pages; Drwg. 16 sheet)

Ind. Cl. : 152E+152A, 194C 10(d) 177387

Int. Cl.[4] : II 01J 29/ 18, C08L, 93/00.

METHOD FOR MANUFACTURING A FILMING COMPOSITION SUITABLE FOR A SCREEN OF A CATHODE RAI TUBE.

Applicant: SAMSUNG ELECTROM DEVICES CO. LTD., A KOREAN CORPORATION OF 575. SHIN-RI, TAEAN-EUB, HWASEONG-GUN, KYUNNGGI-DO REPUBLIC OF KOREA.

Inventor : YEONG-DAE KIM, REPUBLIC OF KOREA.

Applicaton No. 349/CAI/92 filed May 22, 1992.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules 1972), Patent Office, Calcutta.

3 Claims

A method for manufacturing a filming composition suitable for a screen of a cathode ray tube comprising the steps of: adding 100—180 with of acryl emulsion such as herein described to distilled water and mixing to form an acryl emulsion dispersion ;

mixing distilled water with one or more polymer materials such as herein described, the content of said polymer materials being 0.04—0.12 wt% based upon the distilled water and adjusting the pH of said mixture to 3 to 5 by adding acid, to form microcapsules of 0.01 to 10 urn diameter;

adding 0.01 to 0.06 wt% of said microcapsules based on said acryl emulsion to said acryl emulsion dispersion and mixins; and

adding 0.3 to 1 wt% polyvinyl alcohol based on the total amount of the filming composition to said mixture to obtain said filming composition having said microcapsules dispersed therein.

(Com. 16 pages; Drwgs 3 sheet)

Ind. Cl. : 63 A^2 177388

Int. Cl.[4] : H02P 01/42, 07/622

"AC MOTOR DRIVE SYSTEM".

Applicant . YORK INTERNATIONAL CORPORATION, A CORPORATION OF PENNSYLVANIA, UNITED STATES OF AMERICA OF P O BOX 1592 YORK, PENNSYLVANIA 17405 1592 UNITED STATES OF AMERICA.

Inventors : (1) FRANK EUGENE WILLS
(2) HAROLD ROBERT SCHNETZKA
(3) ROY DANIEL HOFFER.

Application No. 552 CAL/92 filed August 3, 1992.

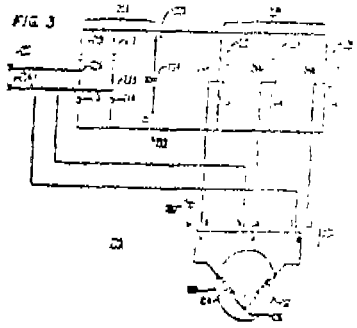
Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules. 1972) Patent Office, Calcutta.

20 Claims

An AC motor drive system for driving an AC" motor (150) having a first winding (152) and second winding (154), the first winding (152) having first and second ends and a first winding impedance, the second winding (154) having first and second ends and a second winding impedance greater that the first winding impedance, said drive system comprising :.

two-phase power supply moans (Vpl ; Vp2) including a pulse width modulated (PWM) inverter circuit (230) having switching means (S1—S6) for converting an inputted DC power supply voltage into a two phase output voltage to drive the motor (150) selectively in. opposite directions, said two-phase power supply means (Vpl; Vp2) having a common terminal (246), a first phase output terminal (248) and a second phase output terminal (244), a power supply terminal (156; 204) commonly connected to the first ends of the first and second windings (152; 154) the first phase output terminal (248) being connected to the second end of the first winding '152) and the second phast output terminal (244) being connected to the second end of the second winding (154) ; and

Voltage control means (300) tor generating switching control signals for controlling the operation of said switching means such that a first phase of said two-phast output voltage is generated between said first phaseand common terminals and a second phase of said two-phase output voltage is generated between said second phase and common terminals, and the respective magnitudes of the first and second phase voltage is varied to maintain a preselected ratio of the respective magnitudes of the second phase voltage to the first phase voltage, the preselected ratio being greater than 1.



Compl. 58 pages ; Drwgs. 10 sheets

Ind. Cl. : 64 B^2 177389

Int. Cl.[4]: H0lp 41/02.

MEANS FOR WRAPPING STACKS OF THIN AMOR. PHOUS METAL STRIPS ABOUT THE WINDOW OF A TRANSFORMER CORE.

Applicants : GENERAL ELECTRIC COMPANY, A CORPORATION OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF 1 RIVER ROAD, SCHE-NECTADY 12345, NEW YORK, UNITED STATES Of AMERICA.

Inventor (1) WILLI KLAPPERT

(2) DAVID R FREEMAN.

Application No. 141/CAL/1993 filed March 10, 1993.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

1. Means for wrapping stacks of thin amorphous metal strips about the window of a transformer core, comprising :—

(a) an arbour 130 located where the window is to be located and mounted for rotation about an axis of the arbor,

(b) a belt 140 wrapped about the arbor so that a space is present between the belt and the arbor, and movable along the length of the belt for imparting rotary motion to said arbor,

(c) means 230,222 for successively feeding individual ones of said stacks of metal strips 112 into the space between said belt and said arbor for successively causing said individual stacks to be wrapped about said arbor as said belt is driven along its length,

(d) compressions means 222 located upstream from, said arbour for comprising the individual stacks as they are wrapped about said arbor by forcing together the strips forming the individual stacks in the portions of the slack still upstream from the arbor, said compression means comprising ;

(e) means 200 defining a first substantially flat surface 213 upon which said stacks are supported as they are fed into the space between said belt and said arbor,

(f) means 209 defining a second substantially flat surface 211 extending substantially parallel to said list flat surface, and

(g) means 122, 134, 136 207, 208 operable when a stack that is being wrapped on the arbor passes between said two flat surfaces for biasing one of said flat surface toward the other and compressing said stack between said two flat surfaces as the stack, is wrapped about said arbor, thereby removing wrinkles from the strips in the region of the stack between the two flat surfaces ami removing air pockets from between said strips in said region.

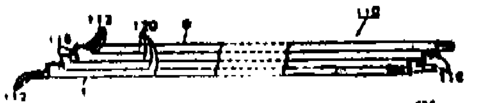


Fig. 1

(Compl. 24 pages: Drwgs. 7 sheets)

Ind. C . 32 F2(b), 55E 177390

Int. Cl.[4] : A 61 K, 31, 545, C 07D 501/04.

THE PROCESS OF PREPARATION OF OXIME DERIVATIVE(S) OF CUMPOUNDS HAVING CEPHALO SPORANIC STRUCTURE.

Applicants : \CS DOBFAR S.p.A., OF VIALE ADDETTA 6/8/10-20067 TRIBIANO. MILAN, ITALY. AN ITALIAN JOINT STOCK COMPANY.

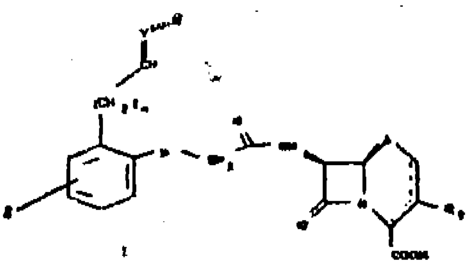
Inventors : (1) RICCARDO COLOMBO
(2) MAURIZIO ZENONI
(3) MARIO LEONE.

Application No. 584/CAL/94 filed July 22, 1994.

Appropriate Office for Opposition Proceedings (Rule \. Patents Rules, 1972) Patent Office. Calcutta.

5 Claims

1. A process for preparing oxime derivatives of cephalosporanic structure of formula (I)



I (I)

where the meanings of the various radicals and substituents are chosen from the following groups

X = absent, -O-, -S-, -SO-, -SO₂-, -NH-

Y = -CH =N-

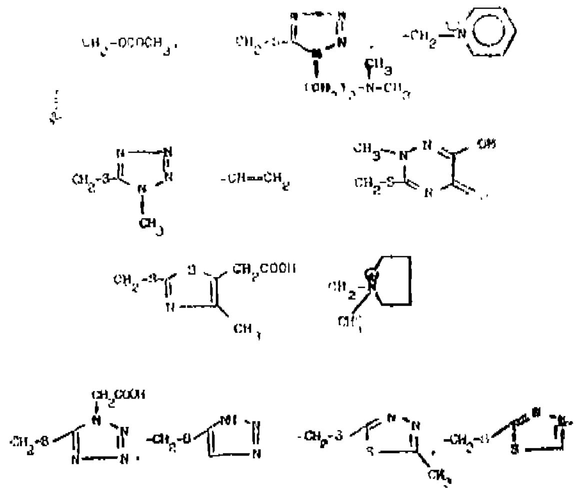
Z = -H halogen, -OH, C₁-C₄ O-alkyl, -OCH₂CONH₂, -OCONH₂, -OSO₂NH₂, -OCH₂CN, -NH₂ either as such or substituted with C₁-C₄ alkyl radicals -NHCOCH₃ -NHSO₂CH₃ -NHSO₂-⟨benzene⟩-CH₃ amides of C₁-C₄ linear acids amides of benzene and toluene derivatives, -NO₂, -NO -CHO -CH₂OH, -COOH [illegible] -SO₃H SO₂NH₂, -S-alkyl where the alkyl residue is C₁-C₄ -CF₃

R = -H, -OH C₁-C₄ O-alkyl with the alkyl residue possibly containing halogens acid functionalities either free or salified with alkaline or alkaline earth metals other functions such as -OCH₂CH₂NH₂ -OCH₂CH₂NH-CH₃, -OCH₂(o, m, p)-[illegible], -OCH₂CN, -OCH₂CONH₂, -OCH₂SO₂NH₂,

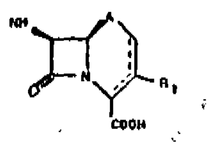
n = 0 to 4

A = -S-, -O- -CH₂-, -SO-, -SO₂-,

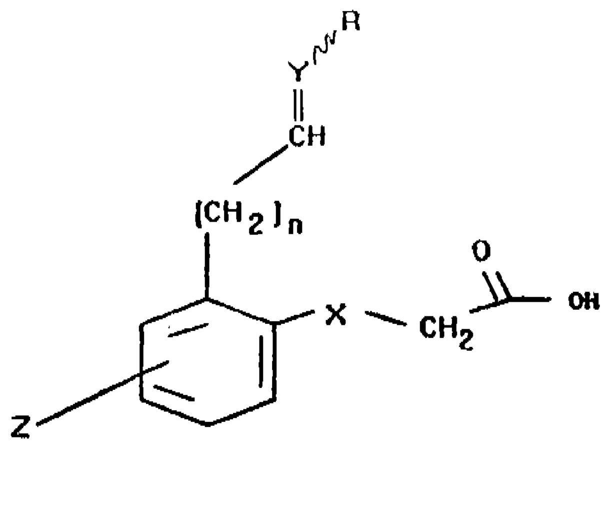
R₁ = a structural group characteristic of cephalosporins such as -Cl -H -OCH₃ -CH₂OCONH₂ -CH₂OCH₃ -CH₃ -CH=CH-CH₃, [illegible], [illegible] where R is an alkyl or aryl residue



characterised in that a cephalosporanic nucleus of formula (II)



wherein A and R^2 are as above specified is reacted with an ortho-oxime group of phenyl- phenylthio- or phenoxiacetic acid of formula (III)



in which the meanings of X, Y, Z, R and n. are as above specified,

the reaction being carried out at atmospheric pressure in an aromatic or aliphatic solvent, at a temperature

between —60°C and + 35°C and for a time of at least 30', the molar ratio of the reagent (II) in respect of the reagent (III) being from 1 : 1 to 1 : 2.

(Compl, Specns. 41 pages)

Ind, Class--206 E 177391

Int. Cl^4 . H 04 L 1/00

A DIGITAL TRANSMISSION SYSTEM COMPRISING A. TRANSMITTER AND A RECEIVER

Applicant : N. V. PHILIPS' GLOEILAMPENFABR1E-KEN. A LIMITED LIABILITY COMPANY ORGANIZED AND ESTABLISHED UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS AT GROENE-WOUDSEWEG 1, EINDHOVEN, THE NETHERLANDS.

Inventors: GERARDUS CORNELIS PETRUS LOKH-OFF, GUSTAVUS LAMBERTUS PETRUS VAN EIJCK AND PETRUS HENRICUS MARIA ARTS.

Application No. 20/CAL/1991 filed January 4, 1991

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules 1972) Patent Office, Calcutta.

Claims 14

A digital transmission system comprising a transmitter and a receiver, for transmit ing information through an information channel of a transmission medium, and for receiving the information transmitted through the transmission channel, which transmission medium further includes an auxiliary channel for transmitting an auxiliary signal composing synchronisation information and additional information, the transmitter comprising

— an input terminal (10) for receiving the information.

— conversion means (5) for converting the information applied to the input terminal into a form in which it is suitable for transmission through the information channel,

— generator means (Hi) for generating the auxiliary signal suitable for transmission through the auxiliary channel,

the receiver (16,18,22) comprising receiving means for receiving the auxiliary signal transmitted through the auxiliary channel, characterized in that

the generator means in the transmitter comprises codeword generator means (80,82) for generating first and second codewords, and comprises signal combination means (88) for combining the additional signal and the codewords so as to obtain the auxiliary signal in the form of successive blocks, a first and a directly successive second block comprising first block sections including the sync information and second block sections for the inclusion of the additional information, the generator means being adapted to generate the first and second codewords such that the first block section of the first block comprises a sync signal and the first codeword, in this order, and the first block section of the second block comprises a sync signal and the second codeword, in this order, the first and second codewords being equal to each other if both second block sections of the first and second blocks comprise additional information, the first and second codewords being unequal to each other If the second section of the first block includes additional information and the second block section of the second block does not include additional information.

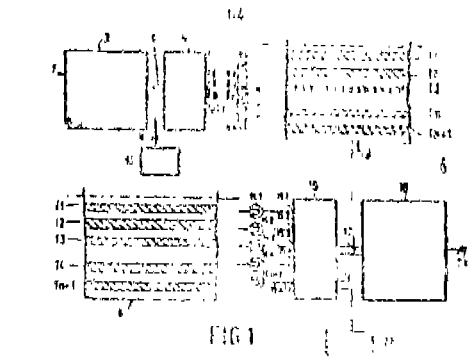
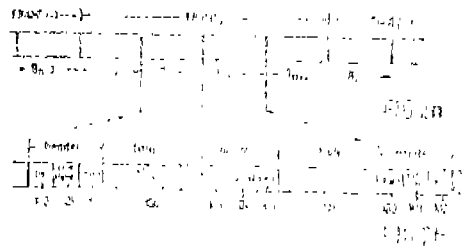


FIG 1



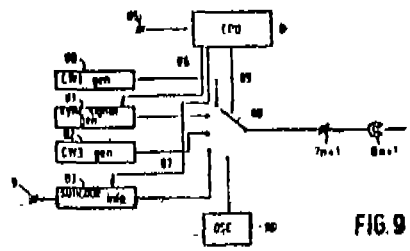


FIG. 9

(Com—24 Pages. Drawings—4 Sheet)

Ind. Class : 172 D.I. 9 17739

Int. Cl^4 . D01H 13/02. 13/04, 13/00. 1/18

"A SPINNING MACHINE"

Applicant : 1. FRITZ STAHLECKER, OF JOSEF-NEIDHART-STRASSE 18, 7347 BAD UBERKINGEN, FEDERAL REPUBLIC OF GERMANY, A GERMAN CITIZEN, AND

2. HANS STAHLECKER, OF HALDENSTRASSE 20, 7334 SUSSEN, FEDERAL REPUBLIC OF GERMANY, A GERMAN NATIONAL.

Inventor : FRITZ STAHLECKER, FRG. HANS STAH-LECKER. FRG.

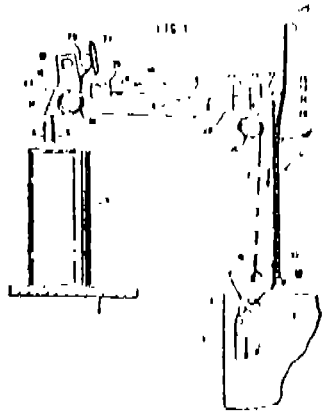
Application No. 520/CAL/1991. filed July 9, 1991.

Appropriate Office for Opposition Proceedings (Rule, 4, Patent Rules, 1972) Patent Office, Calcutta.

Claims 10

A spinning machine having a plurality of spinning stations 2 to which depositing sites are assigned to can 5 containing sliver 4 to be spun, and having transport devices 8 for transporting the divers from the cans to the spinning stations 2 which comprise conveyor belts 9 with essentially

horizontal sections 10 and essentially vertical section 11, characterised in that the conveyor belts 9, at least in the essentially horizontal section 10, are covered by sliding skids 22, 37, 42, 46, 50 which are supported on the conveyor belts $ and which rests with its own weight on slivers 4 and are provided at their ends 24 with deflecting guides 25, 43, 44, serving as transitions to the essentially vertical Section 11.



(Com.—16 Pages. Drawings—2 Sheets

Ind. Class: 201 C+D 177393

Int. Cl[4] : C 92 F 1/00; 3/00

PROCESS FOR PRODUCING A CLEANSED WATER FROM WASH WATER OF A GAS WASHING SYSTEM OF AN IRON ORE REDUCTION PLANT.

Applicant : VOEST ALPINE INDUSTRIEANLAGEN-BAU GESELLSCHAFT m.b.H., OF TURMSTRASSE 44, 4020 LINZ, AUSTRIA, AN AUSTRIAN COMPANY.

Inventor : BOGDAN VULETIC, GERMANY.

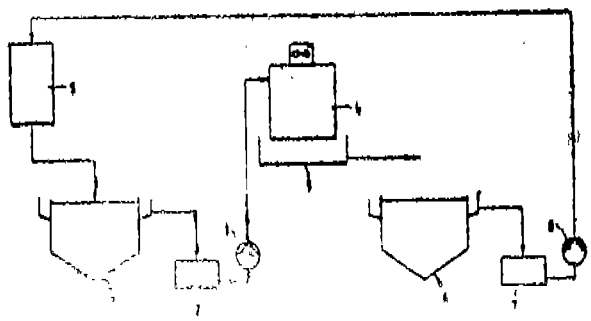
Application No. 727/Cal/1991 filed September 26, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office.. Calcutta.

Claims 4

Process for producing a cleansed water from wash water of a gas washing system of an Iron ore reduction plant, in which the wash water is brought into direct contact with the dust-laden gas in one of more gas washer, is drawn from the gas wanner and following solids separation, is again supplied in cooled form to the gas washer, characterised in that wash water in introduced into a concentrator or thickener (1) for removal of the solids and then is passed via a hot water tank (2) into a cooling tower (4) or a ventilating unit, where there is simultaneously a degassing of dissolved carbon dioxide, an enrichment with oxygen, a conversion of the calcium and magnesium hydrogen carbonates into carbonates and iron bicarbonate, as well as iron sulphate into iron (III)-hydroxide to lead to chemically destabilized wash water and that said chemically destablized wash water is chemically stabilized by freeing from the re-formed and residual solids In a further series-connected thickener (6) by adding flocculating and coagulating agents, and passed over a cold water tank (7).

FIG 1



(Com.—7 Pages Drawing—1sheet)

Ind. Class : 50 D 177394

Int. Cl[4] : F 24F 5/00

"A MANUALLY SWIVELLABLE TABLE FAN"

Applicant ; RAJ KUMAR SAH, RAJENDRA KUMAR SAH AND RAVINDRA KUMAR SAH, ALL INDIAN, OF 53, SYED AMIR ALI AVENUE, CALCUTTA-700 019, WEST BENGAL, INDIA.

Inventor : RAJ KUMAR SAH,
RAJENDRA KUMAR SAH AND
RAVINDRA KUMAR SAH.

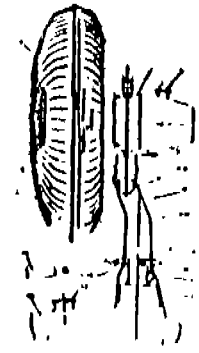
Application No. 269/CAL/ 1992 filed April 20, 1992.

Complete after provisional left on 20-07-93.

Appropriate Office, for Opposition Proceedings (Rule Patent* Rules 1972) Patent Office, Calcutta.

Claims 8

A manually swivellable table fan, comprising a motor body with blades, fitted on top of an upright stand, which is supported on a base, characterised in that said stand is swivellably connected to the said base, and manually operable means is provided to angularly displace the said stand and the motor body with blades, fitted thereon, in horizontal plane and in relation to the said base, as and when desired, in the running or in operative condition thereof, and meant is also provided to keep the said stand and the motor body with blades, fixed in any such, displaced position, as desired.



(Com.—9 Pages, Drawings—3 Sheets)

Ind .Class - 32 (B) 177396

Int. Cl.[4] : C07C 7/00, C01 B 31/18

PROCESS FOR PRODUCING CARBON MONOXIDE FREE ALPHA-OLFFINS AND SATURATED HYDRO-CARBONS.

Applicant; HIMONT INCORPORATED, OF 2801 CEN-TERVILLE ROAD, NEW CASTLE, COUNTRY, DELA-WARE, U.S.A., A DELAWARE, CORPORATION.

Inventors : ROBERTO PLAMMINI AND GIOVANNI PATRONCINI.

Application No. 770 /Cal/1992 filed October 22, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Process for producing carbon monoxide-free alpha-olefins and saturated hydrocarbons, said process comprising contacting the alpha-olefins and saturated hydrocarbons having 2 to 4 carbon atoms containing carbon monoxide, at temperatures ranging from 0°C to 150C, with a catalyst system comprising a mixture or the reaction product or both of :

(A) one or more oxides of metals selected from the group consisting of Cu, Fe, Ni, Co., Pt, Pd; and

(B) one or more oxides of metals selected from the group. consisting of metals of groups V B, VI B, or VII B of the Periodic Table, (A) : (B) molar ratios being from 1 : 10 to 10 : 1 .

Corn. - 17 Pages, Drawings - 0)

Ind. Class - 94F 177397

Int. Cl. : B 02C 4/00, B02C 7/02.

"A PULVERIZER ROLL WHEEL ASSEMBLY".

Applicant : THE BABCOCK & WILCOX COMPANY, A CORPORATION ORGANISED UNDER THE STATE OF DELAWARE OF 1010 -COMMON STREET, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor : DONALD RAY DOUGAN, RONALD DELMO MIZAK GERALD WILLIAM PETERS.

Application No .824/cal/1991 filed November 1, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A pulverirzer roll wheel assembly, comprising :

a roller bracket having an opening therein;

a roller shaft having an outer end mounted to said roller bracket in said opening (hereof, said outer end of said roller shaft having an end face extending at least partly across said opening, and said roller shaft having an inner end ;

a roller wheel with pulverizer tire mounted thereto;

bearing means connected between said inner end of said roller shaft and said roller wheel for rotatably mounting said roller wheel to said roller bracket;

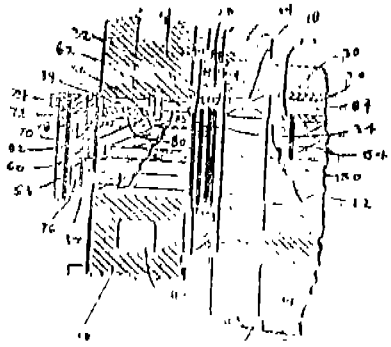
said inner end of said shaft and said wheel defining and oil seal space said outer end of said shaft and said bracket defining an air seal space ;

air seal space expansion means connected to said shaft and extending over at least part of said end face for expanding said air seal space over said end face ;

seal means connected between said shaft and said bracket for separating said oil seal space from said air seal space;

conduit means in said shaft for defining a conduit communicating said oil seal space with the expanded air seal space over said end face of said shaft; and

a pop off relief valve connected to said shaft and closing an end of the conduit defined by said conduit means at said end face for venting expanded gases from said oil seal space into said expanded air seal space.



(Com. - 14 Pages; Drawings - 5 sheet)

Ind. Class.: 176 H 177398

Int. Cl.[4] : F 16 L 21/02

SEAL RING AND JOINT,

Applicant : TECHLOK LIMITED, A BRITISH COMPANY, OF UNIT 18, BAGLAN WAY, BAGLAN INDUSTRIAL PARK, PORT TALBOT WEST GLAMORGEN SA12 7DJ. UK.

Inventor : STOBBART JOHN

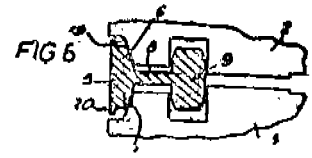
Application No. 147/Cal/1993 filed on March 11, 1993,

Convention No. 9205404.8 of 12-03-92 & 9224993.7 of 30-11-92 in U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

An annular seal ring comprising integrally formed sealing portion, a spigot portion and an interconnecting web portion, said sealing portion comprising a pair of annular seal ling facing the spigot portion and extending in a transverse direction to said web portion, said web portion extending radially outwardly from said pair of seal lips to said spigot portion, and said spigot portion being provided with spigot projections projecting in mutually opposed directions transversely to the web portion, characterised in that the thickness of said spigot portion in the radial direction is substantially greater than the thickness of said web portion in the transverse direction and each respective seal lip is arranged to project transversely from said web portion by a distance which is substantially greater than the thickness of said web portion in said transverse direction.



(Com. - 13 Pages, Drawings - 3 sheet)

Ind. Class: 32. E 177399

Int. Cl.[4] : C08F 240/00.

A NOVEL PROCESS FOR MAKING POLYMERIC WOOD-LIKE PRODUCT.

Applicant : SANTANU ROY, OF 13, NANDA KUMAR CHOWDHURY 1ANE, CALCUTTA-700006, WEST BENGAL, INDIA, AN INDIAN NATIONAL.

Inventor : SANTANU ROY.

Application No. 529/Cal/1993 filed on September 10, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

A process for the production of novel polymeric wood-like product which comprises—

(a) reacting castor oil or derivative(s) thereof with one or more compounds selected from the group of derivatives of abietic and/or pimaric acids, oxo-or polyol compound such as herein described in a reactor provided with arrangements for heating, cooling and stirring, at a temperature between 80°C and 120°, with constant stirring under aerobic condition .

(b) adding one or more terpenoid and/or aromatic hydrocarbons obtained from the extract of pine tar oil to the mass of reactants as in (a) ;

(c) separating the unreacted hydrocarbons from the reaction zone by methods known per so so as to obtain a polymeric) intermediate compound ; and

(d) converting the said intermediate compound in to a product resembling natural wood by relating the said compound with a siliceous or carbonaceous product at a temperature ranging between 5°C and 200°C and within a pressure range of 1 to 50 arms., followed by condensation with an isocyanate derivative in a manner such as herein described.

(Com. 30 Pages ; Drawing 0)

Ind. Cl. : 32 (B) 177400

Int. Cl.[4]: C07C 15/46, C07C 5/333, 5/327.

IMPROVED PROCESS FOR THE DEHYDROGENATION OF ETHYL BENZENE TO STYRENE.

Applicant : UNITED CATALYSTS INC., P.O. BOX 32370, LOUISVILLE, KENTUCKY 40202, UNITED STATES OF AMERICA, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE UNITED STATES OF AMERICA.

Inventor : DAVID LEWIS WILLIAMS.

Application No. 14/Cal/1992 filed January 8, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An improved process for dehyrogenating ethyl benzene to styrene at good selectivety and conversion with low formation of phenyl acetylene, which comprises subjecting ethyl benzene to dehydrogenation reaction in a reactor at a temperature range of 925° F to 1300°F in the presence of a catalyst wherein the said Catalyst, is comprised of 60 to 90 weight, percent iron oxide, 4.9 to 15 weight percent alkali metal oxides, such as herein described, 2 to 9 weight percent alkaline earth metal oxides, such as herein described 2 to 9 weight percent oxides of a lanthanide having an atomic number of 57-62 1 to 4 weight percent molybdenum or tungsten oxide, 0 to 0.5 weight percent chromium oxide, and 0.1 to 2.5 Weight percent nickel, calculated as nickel oxide, said weight percents being based on the total weight of the catalyst.

(Com. 26 Pages, Drawing 0)

Ind. Class - 85-S. 177401

Int. Cl.[4] : F 27 D 3/15.

PROCESS AND APPARATUS FOR CASTING METAL.

Applicant : KLOCKNER STAHL GMBH, A, GERMAN COMPANY OF KOCKNERSTRASSE 29, 4100 DUISBURG 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) HORSTMAR MOHNKERN
(2) KLAUS ULR1CH
(3) MANFRED LOWENSTEIN
(4) ERHARD KRAUSE
(5) JOACHIM WITT
(6) MANFRED VOB
(7) DIETER GRUTZAMACHER
(8) UME HAMMER
(9) HANS DE HAAS.

Application No. 715/Mas/89 filed September 26, 1989,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims

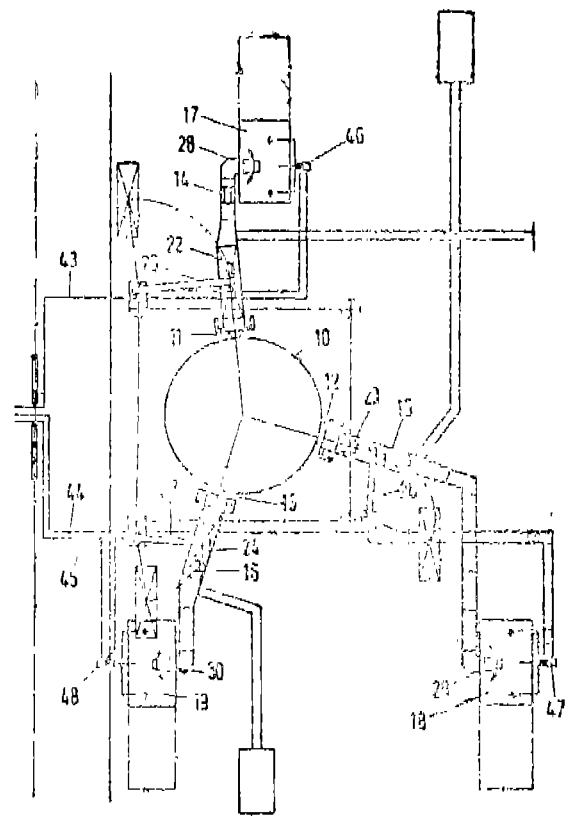
1. A process for casting metal comprising the steps of :—

fa) causing the liquid metal from a tap hole of the metallurgical furnace to flow through at least one gutter which is closely covered form a small free internal Space above the liquid metal in the gutter.

(b) guiding the liquid metal from said at least one gutter into said at least on canting vessel through at least one delivery station which is screened off in a substantially gas-tight manner.

(c) flushing the free internal space of said at least one gutter, the interior space of said at least one delivery station, and the interior of said at least one casting vessel with inert gas, and

(d) causing a jet of liquid metal to pass from an outlet of said at least one delivery station into said at least one casting vessel through a pressurized inert gas sheath which prevents access by air and is substantially annular in cross-section.



(Com - 18 Pages; Drwgs. - 2 Sheets)

Ind. Cl. : 50-E[1] & E[2] 177402

Int. Cl.[4] : F 25 B 37/00'; 39/00

A METHOD OF PRODUCING A HEATABLE AND REFRIGERABLE ELEMENT HAVING PLURALITY OF FLOW CHANNELS AND ELEMENT PRODUCED BY THE SAID METHOD.

Applicant & Inventor : KAARTINEN NIILO, A FINNISH CITIZEN, OF VUOLAHTI SF-21620 KUUSISTO, FINLAND,

Application No. 337/MAS/90 filed May 3, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

30 Claims

A method of producing a heatable and reifrigerable element having plurality of flow channels and at least one liquid space communicating therewith for connecting to heat exchange systems comprising the steps of depositing metallical material over the exterior surface of a mould having a shape corresponding to the inside shape of the device to be produced to form a shell, said deposit producing a plurality of locations with a higher thermal conductivity and providing atleast adjacent thereto with a lower thermal conductivity and thereafter removing the mould to form the said shell defining the space and channels within, connecting to said shell to a heat exchange system at location of higher thermal conductivity to provide control cooling and heating of liquid within the said device at the said locations.

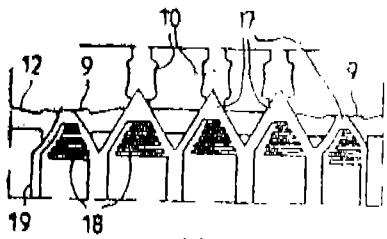


Fig 9

(Com. : 32 pages Drwgs. : 4 sheets)

Ind. Cl. : 2-B, & B3 177403

Int. Cl.[4]: G 09 F 13/16.

A MICROSPHERE-BASED RETROREFLECTIVE ARTICLE.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY. A CORPORATION OF THE STATE OF DELAWARE, U.S.A., OF 3M CENTER, SAINT PAUL, MINNESOTA 55144-1000, U.S.A.

Inventor : CLARK GLAMIS KUNEY.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

13 Claims

A microsphere-based retrospective article comprising transparent microspheres having reflectors in optical association with the rear surface thereof, wherein said micropheres are air-incident, characterized in that said micropheres have an average refractive index of at least 1.915 and an average diameter of at least 75 microns, said average refractive index and said average diameter also corresponding to the coordinates of a polnt within region D of figure 5, said microkphercs having a diameter percent range of 30 percent or less.

(Comp. : 53 pages; Drwgs. : 10 sheets)

Ind. Class : 116-B 177404

Int. C1.4 : B 65 H 1 /00.

A DISPENSER FOR DISPENSING FLEXIBLE SHEETS FROM A STACK OF THE SHEETS.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, U.S.A., AT 3M CENTER, SAINTPAUL, MINNESOTA 55144, U.S.A.

Inventors : (1) DAVID CHARLES WINDORSKI
(2) KENNETH JAMES KIRCHHOFF

Application No. 402/Mas/90 filed on May 23, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch,

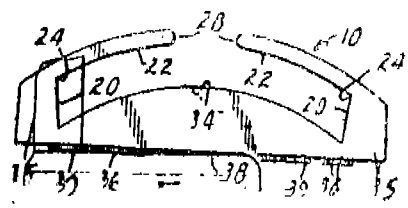
8 Claims

A dispenser (10, 41, 71) for dispensing flexible sheets (12) from a stack (14) of the sheets (12) disposed one on top of another, each sheet (12) having a band of pressure sensitive adhesive coated on one surface adjacent one edge thereof and being free of adhesive coating along a portion adjacent an opposite edge thereof, and the sheets (12) being stacked with the adhesive coating on each successive sheet (.12) disposed along alternate opposite sides (16) of the stack (14) and releasably adhering the sheets (12) together to maintain the sheets (12) in the stack (14). said dispenser (10, 41, 71) comprising :

walls having surfaces defining a cavity for receiving the stack (14), said surface having opposed end surface (20, 40, 70) having parallel upper ends (24. 44, 74), said end surfaces (20, 40, 70) being engaged by the opposite sides (16) of stack (14),

two friction surface portions (22, 42, 72) extending toward each other from the upper ends (24, 44, 74) of said end surfaces (20, 40, 70) and having ends opposite said end surfaces (20, 40, 70) spaced from and aligned with each other, and opposed outlet surfaces (28, 48, 78) at the ends of the friction surface portions (22, 42, 72) opposite the end surfaces (20, 40, 70) defining an opening through said walla between said friction surface portion (22, 42, 72), and

pressing means for pressing the satck toward the friction surface portion (22, 42, 72) to afford positioning the upermost sheets (12) of the slack (14) along the friction surface portions (22, 42, 72) with the adhesive free portion of the uppermost sheet (12) in the stack (14) projecting through the opening, said friction surface portion (22, 42, 72) being; arcuate and concave about an axis parallel to said upper ends (24, 44, 74) of said end surfaces (20, 40, 70) and arcing means for arcing the stack (14) to restrict the force required to pull the uppermost sheet (12) from the stack (14), said arcing means comprising a pressure member (46. 76) having a pressure surface (47, 77), mounting means for mounting said pressure member (46, 76) on said walls defining the cavity with said pressure surface (47. 77) opposite said friction surface portion (42, 72) for movement in a direction normal to said friction surface portions (42,72) between an extended position with said pressure surface (47, 77) closely adjacent said friction surface portions (42, 72) and a retracted position with said pressure surface (47, 77) spaced from said friction surface portion (42, 72) and biasing means (52, 82) for biasing said pressure member (46, 76) toward said extended position.



(Compl. Specn. : 25 pages; Drgns : 6 Sheets).

Ind. Class : 85-G 177405

Int. C1.4 : P 23 C 11/00.

A COMBUSTION FURNACE FOR BURNING COMBUSTIBLE SOLID RESIDUES FROM A CHEMICAL PLAN.

Applicant : MITSUI PETROCHEMICAL INDUSTRIES LTD., A JAPANESE BODY CORPORATE OF 2-5, 3-CHOME. KASUMIGASEKI, CHIYODA-KU, TOKYO JAPAN.

Inventors : (1) NORIAKI NAKASE
(2) MASAO KOYAMA
(3) TOHORU ABIKO
(4) KENJI TAKAHASH1
(5) MASAHIRO INADA
(6) TOSHIAKI MASAOKA

Application No. 417/Mas/90 filed on May 28, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A combustion furnace for burning combustion, solid residues from a chemical plant, comprising at least a primary combustion chamber having a burner in its archand a heating pipe disposed vertically along a side wall and a secondary combustion chamber provided in the lower part of the primary combustion chamber, a flue gas duct provided beneath the secondary combustion chamber, and a burning residue reservoir chamber provided at the bottom of the furnace.

(Compl. Specns ; 15 pages; Drwgs, : 3 Sheets).

Ind. Class : 119-E 177406

Int. Cl.[4] : D 03 D 51/18.

AN ANTICRACK MOTION FOR A LOOM.

Applicant ; LOYAL MACHINE WORKS LIMITED, RESEARCH & DEVELOPMENT DEPARTMENT, 2249 TRICHY ROAD, COIMBATORE-641 005, TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventor : PADMANABHAN RAJAGOPALAN, INDIA.

Application No. : 600/Mas/90 filed on July 26, 1990,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

An anticrack mention device for a loom comprising a clutch drum fixed to the worm shaft of the loom-derive a clutch arm, with friction lining, disposed adjacent to, and normally disengaged from, the clutch drum, said clutch arm being hinged to a support ram pivoted on the worm shaft to provide the same axis of rotation; means for actuating the clutch arm over a predetermined distance, whenever the loom is brought to a stop, to cause the clutch arm to engage with, and rotate, the clutch drum and thus rotate the worm shaft in the reverse direction over a predetermined angle, to lake the fell of the cloth in the loom backwards by the desired amount.

Agent : Kamath & Kamath.

(Compl Specns. 13 pages; Drwgs. : 1 Sheet).

lnd. C1. : 158-C[2] 177407

Int. Cl.[4] : B 61 G 3/04.

AN IMPROVED COUPLER HEAD.

Applicant : AMSTED INDUSTRIES INCORPORATED, 205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601, U.S.A. A CORPORATION OF DELAWARE, U.S.A.

Inventor : RUSSELL G. ALTHERR.

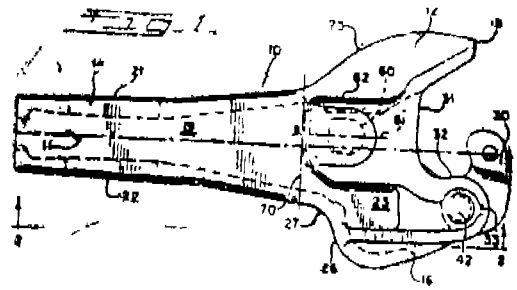
Application No. ; 703/Mas/90 filed on September 4, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, .1972), Patent Office, Madras Branch.

3 Claims

An improved coupler head for joining adjacent railway wagons, comprising a guard arm side and a knuckle side, and a lock chamber projecting upwardly from a top face thereon with a guard arm side wall, a knuckle side wall parallel to said guard arm side wall, and a rear horn wall perpendicular to said guard arm side wall and knuckle side-wall, the improvement in which :

said lock chamber is a symmetrical with respect to its longitudinal centre line such that said rear horn wall hat a greater length on said guard arm side of said longitudinal center line than said knuckle side of said longitudinal centre line and said knuckle side wall of said lock chamber has a shorter length than said guard arm side wall of said lock chamber, said rear horn wall is connected to said knuckle side wall on said knuckle side of said longitudinal center line by a connecting section, said connecting section being located inwardly of said rear horn wall and said knuckle side wall with respect to said lock chamber.



(Compl Specns. 15 pages; Drwgs, : 2 Sheets).

Ind. Class : 95-K 177408

Int. Cl.[4] : B 25 B 13/00; 23/14.

A NOVEL TORQUE WRENCH CAPABLE OF PRE-SETTING TO SPECIFIED TORQUE VALUES,

Applicant & Inventor : PILLAPALAYAM NARASIMHACHARI MURLIDHARAN, AN INDIAN CITIZEN, OF 36A. 4TH MAIN ROAD, KOTTURPURAM, MADRAS-600 085,

Application No. : 737/Mas/90 filed on September 17, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Riles, 1972), Patent Office, Madras Branch.

5 Claims

A novel torque wrench, capable of pre-setting specified torque values comprising a frame having an output square drive (5) and housing four freely floating levers (2, 3, 4 and 11) about their respective centres of rotation (X_1 X_2 X_3 and X,-), along the longitudinal centre line on the frame, the first lever (2) having a square hole tor receiving the said square drive the centra of the square hole being the centre of rotation (X_1) of the first lever (2), the second lever (3) having a floating dowel at a predetermined distance (A) from the centre of rotation (X_1) of the first lever (2), and at a distance (B) from its centre of rotation (X_2), the third lever (4) having a floating dowel at a predetermined distance (C) from the centre of rotation (X^2) of the second lever (3) and at a predetermined distance (D) from its centre of rotation (X_3) and a slot to receive a spring assembly consisting of a compressing spring (7), a colter (6), a tapped coller (8), fixing means (13), the said spring assembly being slidable in the said slot between the third lever (4) and the frame (1), as also capable of being secured firmly to frame (1) with the help or slide (9) and fixing; means (10), the said third lever (4) and the said fourth lever (11) ; being coupled for transmitting the motion of the third lever (4) to the fourth lever (11), means (14) attached to the said fourth lever (11) for indicating the attainment of the pre-set torque value, an end adapter (12) suitable for getting the leverage for torquing wherein the said frame (1)

is provided with graduations (16) indicating the position of the said slide (9) for pre-setting the torque depending on the distance (E) from the centre of rotation (X_a) of the third lever (4) to the relative position of the slide (9).

Agent M/s. DePenning & DePenning

(Compl. Specn. : 9 pages; Drwgn. : 2 Sheets).

Ind. Class : 85-R 177409

Int. Cl.[4]: P 27 1/00

A SHAFT FURNACE,

Applicant : HOOGVENS GROUP BV., A DUTCH COMPANY, PO. BOXX. 10,000, 1970 CA IJMUIDEN, THE NETHERLANDS.

Inventors: RONALD NICOLAAS MOLENAAR, DUTCH (2) JOSEPH ADRIANUS MARIA VAN DER HOEFF, DUTCH.

Application No. 748/Mas/90 filed on September 20, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A shaft furnace comprising (a) a steel outer shell (b) a refractory lining inside and against said outer shell (c) at least one sealed tap hole structure comprising (i) a steel sleeve fitted to said outer shell and projecting outwardly therefrom (ii) a permanent lining inside said sleeve (iii) a refractory sealing material within the said permanent lining through which the said tap hole is formed (iv) a metal closure plate having an opening at which said tap hole is to be formed, said plate being located within said sleeve and having a periphery coupled gas-tightly to said sleeve, and (v) means for removing hear from said closure plate, (vi) said permanent lining, said refractory sealing material and said closure plate each being located against said refractory lining of said outer shell.

Agents : M/s. DePenning & DePenning

Compl. 15 pages Drgns. 5 sheets

Ind. Class: 181 .177410

Int. Cl.[4]: F 16 J 15/34

A MULTIPLE, TANDEM, SPIRAL GROOVE SEAL SYSTEM.

Applicant : JOHN CRANE INC., 6400 OAKTON STREET, MORTON GROVE, ILLINOIS 60053, A DELAWARE CORPORATION.

Inventors: (1) GLENN G. PECHT (2) PAUL L. FELTMAN.

Application No. 788/Mass/90 filed on October 5, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

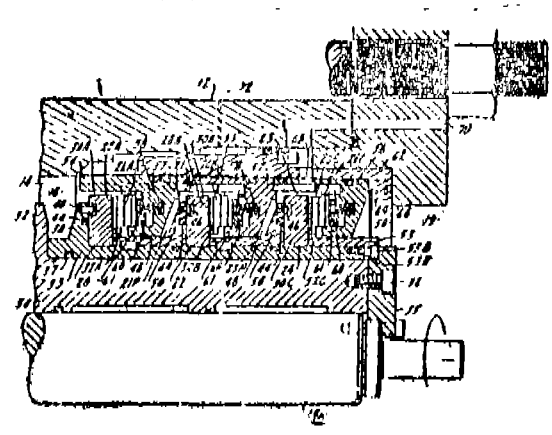
13 Claims

A multiple, tandem, spiral groove seal system (10) for sealing along a rotatable shati (16) extending through a housing (12) containing a process fluid under pressure, the system (10) comprising :

axially spaced apart rotary mechanical end face seals (20, 22) defining with the housing (12) an intermediate chamber (21), each said seal (20, 22) having opposed generally radially extending sealing faces (28A, 30A, 2KB,, 30B) presented by a first ring (26 A, 26B) secured to the housing (12) and a second ring (30A, 30B) rotating with the shaft (16), the sealing faces (32A, 32B) of each second ring (30A, 30B) having a plurality of pumping spiral grooves (922) extending part-way across the face (32A, 32B) thereof inwardly from one ring circumference toward the center of the annular seal ring face (32A, 32B) thereof, and means (58) for biasing the scaling faces (28A, 32A, 28B, 32B) of the respective seals (20, 22) toward one another;

said first seal (20) being disposed adjacent said process fluid contained by said housing (12) and an annular circumference of the seal ring laces (20A, 30A) being exposed to the process fluid and a second annular circumference of said seal ring faces (26A, 30A) being exposed to said intermediate chamber (21), said process fluid in said intermediate chamber (21) having a predetermined pressure, end the process fluid passing from said housing (12) and into said intermediate chamber (21) only across said seal ring faces (28A, 32A) of said first seal (20) ; and

said second seal (22) being adjacent to said intermediate chamber (21), a first circumference of the annular seal ring faces (28B, 32B) being exposed to the fluid in said intermediate chamber (21) and a second circumference of said annular seal ring faces (28B, 32B) being exposed to a vailing chamber (23), said process fluid in said intermediate chamber (21) having a predetermined pressure and the fluid passing from said intermediate chamber (21) to the venting chamber (23) only across said seal ring faces (28B, 32B) of said second seal (22).



Compl. 20 pages Drngs. 1 sheet

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 173877 dated the 6th June 1991 made by Greaves Foseco Limited on the 29th March, 1996 and notified in the Gazette of India, Part III, Section 2, dated the 8-6-1996 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 175031 dated the 24th April, 1990 made by NKF Kabel B.V. on the 15th April, 1996 and notified in the Gazette of India, Part III, Section 2, dated the 27th July, 1996 has been allowed and the said Patent restored.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that N. V. Philips' Gloeilampenfabricken, a limited liability company organized and established under the laws of the Kingdom of the Netherlands at Groenewoudseweg 1, Eindhoven. The Netherlands, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 175971 for "Digital Transmission System".

The amendments are by way of change of name from N.V. Philips Gloeilamenfabrickcn to Philips Electronics N.V.

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta -700020 on copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the

application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020. If the written Statement of opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

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CESSATION OF PATENTS

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PATENT SEALED ON 13-12-1996

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CAL- 02, DEL - 01, MUM - NIL, CHEN :- NIL

*Patent shall he deemed to be endorced with the words LICENCE OF PATENT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents, F—Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 4. No. 171090, Dabur India Limited, an Indian Company 22-Site-IV, Sahibabad, Dist. Ghaziabad U.P., "BOTTLE", 11th April, 1996.

Class 4. No. 170760, Guerlain a French Company of 68 Avenue des Champs-Elysees, 75008 Paris, France, "BOTTL", 19th February, 1996.

Class 4. No, 170716, Carew Phipson, a unit of Me Dowell & Co. Ltd., an Indian Company, 10/5, 5th floor, Ratnam's Complex, Kasturba Road, Bangalore-560 001, Karnataka State, India, "BOTTLE", 12th February, 1996.

Class 4. No. 171558, Hindustan Sanitaryware & Industries Limited, an Indian Company, Bnhadurgarh-124 507 Haryana, India, "WASH BASIN WINDSOR", I7th June, 1996.

Class 4. No, 170837, Besalon International Limited, of 2803 Universal Trade Centre. 3-5 Arbuthnot Road, Hongkong, a company incorporated and existing in Hongkong, "ASSEMBLY OF ROOF TILES". 5th September, 1995 (Reciprocity date).

Class 4, No, 170836, Pioma Industries, Rasna House Panchwatl, Ahmedabad-380 006. India, Indian Company, "JAM SPREAD GLASS BOTTLE", 7th March, 1996,

Class 4. No. 170368, Reckitt & Colman Products Limited, a British Company, of One Burlington Lanc London W4 2RW, United Kingdom, "CONTAINER", 14th June, 1995 (Reciprocity date).

Class 4. No. 170577, Valentin Yudashkin International, a French Company of 18, Avenue des Champs Elvsees, 75008 Paris, France, "PERFUME BOTTLE", 12th January, 1996.

Class 4. No. 169651. Revlon Manufacturing Limited, C/o. Conyers Dill & Pearman, a corporation organised and existing under the lawn of Bermuda, of Clarendon House, No, 2 Church Street West, POB 666. Hamilton HM II Bermuda, "BOTTLE", 8th August, 1995.

Class 4, No. 169674. Revlon Manufacturing Limited C/o. Conyers Dill & Pearman. a corporation organised and existing under the laws of Bermuda of Clarendon House, No 2 Chruch Street West, POB 666, Hamilton HM II, Bermuda, "BOTTLE", 11th August, 1995.

Class 4, No 170426, Shaw Wallace & Company Limited, a Company incorporated under the companies Act, 1956 having its office at Udyog Bhawan, 2nd floor, 29 Wallchand Hirachand Marg, Balard Estate. Bombay-40038, Maharashtra, India, "BOTTLE", 20th December, 1995.

Class 4. No 170941, Sona Ceramic, Old Ghuntu Road, Morbi-363642 Gujarat India, Indian partnership firm, "WASH BASIN"", 21st March, 1996.

Class 4. No. 170688. Bhurji International (P) Ltd, 9/56, Kitri Nagar. Industrial Area. New Delhi-110015, India, "EMERGENCY LAMP", 7th February, 1996.

T. R. SUBRAMANIAN
Controller General of Patents,
Designs & Trade Marks

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एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1996
PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD
AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1996